The National

Future Farmer

August-September 1958

Owned and Published by the Future Farmers of America

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The National
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August-September, 1978

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A Word With The Editor

The FFA has always done a pretty good job of recognizing adults who have made outstanding contributions to the organization. Early convention proceedings tell of awarding honorary degrees, a practice which has been repeated many times by state associations and local chapters, and is carried on today. In addition to degrees, many plaques, certificates and other types of recognition have gone to deserving persons.

But there is one area that has received little or no attention. Nothing has been done to provide some type of lasting recognition for FFA's founders and others who have contributed to the organization in some outstanding manner. The 50th Anniversary celebration caused us to look back to some of those individuals who provided leadership during the early years of FFA. Now it would seem we are long overdue in providing some type of permanent recognition for them.

Another group that could be similarly recognized are the former members who have attained some outstanding achievement in leadership and/or agriculture. Their achievements should also be permanently recorded by FFA.

What will it be? The idea of an FFA "Hall of Fame" has been proposed. The Board of Directors and National FFA Officers feel the time has come to move forward on this undertaking. For a long time finding a suitable place may have been a deterrent but now the FFA Center would seem to provide the proper location for the Hall of Fame by utilizing space in one of the existing buildings. Eventually the Hall of Fame could become a part of the FFA Archives, when that project is developed.

If an undertaking such as this is to succeed, it will need the inputs of a lot of people as to what it should be like and who should be recognized. Your thoughts, ideas, and suggestions are needed. They may be sent to *The National FUTURE FARMER*, P.O. Box 15130, Alexandria, Virginia 22309.

Wilson Carnes

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The Cover

Shoeing horses is just one of many talents of 1977 National Horse Proficiency winner Jim Thorp of Oskaloosa, Iowa. Be sure to check out "Being Your Own Man" on page 22.

Cover Photo by K. Elliott Nowels

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News in Brief

The FFA

SUMMER IS THE SEASON for national or state leadership conferences or camps. In Washington, D.C. and around the country the FFA's young people in agriculture will be gaining leadership abilities and insight that will benefit them throughout life. With participation near 150 students each week-long session, the Washington Conference groups have been progressing through the summer in fine style. The seventh and final session will be held July 31 through August 5. Above, members talk with Wilson Carnes, Editor of *The National FUTURE FARMER*, during a meal session at the National FFA Center.

A GOLDEN PAST—A BRIGHTER FUTURE will once again serve us this year as a national theme. This year however, the emphasis will be on A Brighter Future, whereas last year we celebrated Our Golden Past. Many people are currently at work to incorporate this new angle into the 1978 National FFA Convention, to be held November 7-10 in Kansas City.

THE NATIONAL FFA ALUMNI ASSOCIATION has presented 13 scholarships to the Washington Leadership Conferences this summer. One scholarship is presented for every 500 Alumni members in the state. This year scholarships are being awarded to Wisconsin (5), Oklahoma (3), Ohio (2), Missouri, Virginia and Illinois (1 each).

PHILLIP MORRIS, INC. of New York, New York, will sponsor the 1978 Fish and Wildlife Management Proficiency Award through the National FFA Foundation, Inc. The award was previously sponsored by Clarke and Betty Nelson (Clarke Nelson is currently the chairman of the National FFA Foundation Sponsoring Committee) who will continue their sponsorship of FFA award programs through an investment in the FFA Foundation General Fund.

NATIONAL FFA MEMBERSHIP appears to be down slightly in 1978. Figures compiled in the early summer peg total numbers at 507,108—about 2,500 below a year earlier but still almost 7,000 above 1976. Texas was once again the leader with 60,308 members; Alabama, the second highest with 27,211; Ohio, third with 22,353. Wisconsin at 21,474 and Virginia at 19,791 were fourth and fifth highest.

RECORD PARTICIPATION SEEMS to be the rule with this year's FFA Work Experience Abroad (WEA) program. The largest inbound group ever arrived from seven different foreign countries and are now spread out on host farms across America. Earlier in the summer almost sixty U.S. WEA'ers left to begin three to six month long placements. At right, Nicholas Kristof studies a small map with a representative of the French Embassy before departing for that country.

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National Future Farmer—August/September, 1978

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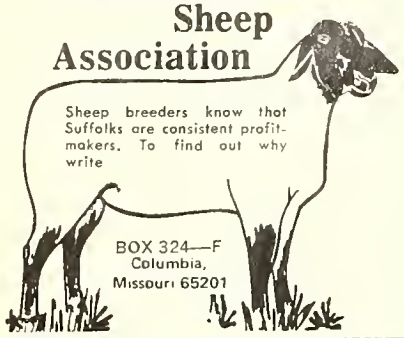

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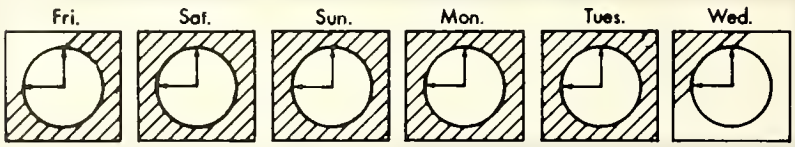
Looking Ahead

Agriculture

MARKETING AND CASH RECEIPTS from meat animals both lodged increases last year according to the USDA's Crop Reporting Board. Near record cattle and calf receipts helped push total earnings from meat animals to $28 billion in 1977, compared with 27.1 billion the year before. Overall, cattle and calves contributed just over 72 percent of total receipts, followed by hogs and pigs at 26.3 percent and sheep and lambs, 1.4 percent.

FAILURE TO OBSERVE pre-slaughter withdrawal times while using animal drugs, even if the withdrawal time mistake involves only a few days or a few hours, can result in residues violating federal laws against the sale of adulterated food in interstate commerce warns the FDA. Be sure to check the feed tag, label or package insert to see if the product has a withdrawal time. It should be calculated like this:



with each withdrawal day being a full 24 hours starting with the last time an animal or bird receives the drug. Above is a five-day pre-slaughter withdrawal time with the drug being withdrawn at 9 a.m. on Friday and the five days completed at 9 a.m. on Wednesday.

DAIRY COWS EXPOSED to 16 hours of continuous light per day gave 7-10 percent more milk than cows on short days in research at Michigan State University. They grew faster, too, without increasing their feed intake. "Whether these results could be duplicated in the field would depend on management and a host of other factors," researcher Allan Tucker says. "The experiments do suggest some exciting implications for dairy farmers, however." Tucker supplemented the actual daylight the cows received with timed artificial light inside.

FOREIGN MARKETS PAID a record $24 billion for U.S. farm goods during fiscal 1977, up 5 percent from a year earlier levels according to USDA. Marketings abroad got a boost from accelerated sales of oilseeds and products, cotton, tobacco, livestock products, fruits and vegetables. Though wheat and corn receipts declined, the down turns weren't enough to check the brisk sales pace.

WORLD RUBBER DEMAND is expected by some sources to triple to 25 million metric tons needed in the 1990's, so research is underway to explore methods of meeting those new demands. Below, a young guayule bush is dropped into the ground by a tractor-pulled planter as part of an experimental study at Goodyear farms in Arizona. Goodyear is investigating the rubber-producing desert shrub as a future domestic source of natural rubber.

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From the Mailbag

Readers Report

Visalia, California

My primary purpose in writing you is to inform the magazine of my change of address. I want to be assured of staying current with the FFA and not miss an issue of your excellent publication. I never cease to be amazed how the FFA has grown and matured over the last decade.

The address change is caused by my accepting a new position with a young, growing citrus organization in California. On November 1, 1977, I was asked to become president and general manager of the California Citrus Mutual, an organization that represents some 40,000 acres of oranges and nearly 700 growers. The Mutual is a special interest group that is concerned about the economic survival of the California/Arizona citrus farmer.

Our primary goal is to provide an open line of communication between the grower, the packer and the market.

I am enjoying the work and look forward to the time that we become a strong creditable force in the citrus industry.

How is the 1978 National FFA Convention shaping up? If everything works out I hope to attend the convention this fall. Maybe I'll see you there.

Adin A. Hester, President

Mr. Hester was National FFA President in 1958-59.—Ed.

Hugo, Oklahoma

I would like to tell you about a club I belong to in Hugo, Oklahoma. I am president of Hugo FFA Mothers' Club. We have been in existence only two years but we feel we have come a long way.

Our purpose is to give the local chapter advantages they wouldn't otherwise have. For example, our club gives a $300 scholarship annually to a graduating senior who has contributed to the chapter and is an outstanding member. We sponsor a trip to the Oklahoma State Fair and this year to the State FFA Convention. We donated $500 this year for supplies and equipment to aid the boys and girls in grooming their animals for show.

We make our money in many ways. Being mothers, you can guess it usually has to do with food.

Linda Rabon

Alexandria, Virginia

Thank you for sending me the comp copy of the June-July issue containing the story you wrote on land use.

You did an excellent job—both of capturing something usable from my rambling comments and setting the whole thing into a perspective that makes it relevant.

I thought your historical treatise was excellent. It made both good reading and good sense and brought out many of the basic undercurrents which are so important today in shaping American values toward land. As has been so often pointed out, you can't tell where you're at, why you're there, or where you're going if you are ignorant of where you've been.

Please give me a call so we can discuss your policy and prices on reprints. I think we can use a quantity of them to relay this story to interested conservationists around the country.

Neil Sampson

Sandusky, Michigan

Recently I noticed that the library in our long term care institution is receiving the official magazine of your organization. I do not know who our benefactor is for this meaningful gesture. Perhaps your members do not even realize how significant this is to the senior citizens who are confined to an institution.

In our facility the majority of patients, men and women, have spent their lifetimes working in the farming profession. This magazine brings back precious memories to them, as well as keeping them abreast of progress in the field and with youth.

Thank you to FFA for remembering our patients. I suggest other groups consider sending your magazine to the long term care facility in their area. Even better would be visits from the members to the residents in the homes or arrange with

(Continued on Page 14)

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Aircraft for Agriculture ... It's up, up, up ...

By K. Elliott Nowels

EDGING over the tops of the last few trees, the pilot put the ship into a steeper angle toward the ground and pulled up about three feet from it. The swirling grass, quite visible through the bottom of the plexiglass bubble, rushed under our feet and we were quickly to the opposite end of the field. The Bell model 47 planed up, scarcely above the power lines and treetops. Now a 180-degree turn and another run.

But you could tell it was just practice. Jim wasn't concerned about getting real close to the edge of the field for maximum control. It could have been a much harrier ride.

It's aerial application of pesticides and in this case it's by helicopter. As acreages get bigger, changes in tillage practices appear and safe use of chemicals becomes more complicated, more farmers are turning to custom application and many of them to aircraft.

Surveys by the USDA's Economic Research Service show that expenditures for custom-applied farm pesticide materials accounted for 31 percent of the total expenditures for pesticide materials in 1976. This compares with 25 percent in 1966 and 27 percent in 1971. Of the custom-applied total, almost 60 percent was applied by aircraft.

How have the aircraft been measuring up to other forms of custom application? Better than ever before seems to be the answer coming from across the country, concerning both fixed-wing and rotary application. It's because of increased training and experience being demanded by the farmer and by the owners and operators of application services themselves. Today an aerial applicator of pesticides must do much more than fly. He must know his chemicals, how they work and the hazards they present.

"He's almost becoming a county agent to a degree, simply due to the knowledge requirement," said Rich Sawyer, administrative assistant for Ag Rotors, an operation in Gettysburg, Pennsylvania, that trains pilots in addition to working a fleet of eight agricultural helicopters on application. "And that's good, that way he can work more closely with the county agent or a chemical company field representative and the farmer...it just increases or enhances the services we can provide."

Sawyer says that the regulation of the industry in principle has been a good thing because it forced many marginal operators—somewhat less than professional—out as the rules got tougher and tougher. "It forced a lot of the people out who weren't really interested in staying in the business, who had been in it just to make the buck. Really those people hurt us more, in a sense, than they hurt the farmer. They would cut the rate to get the work, then not do good work leaving a bad taste in the farmer's mouth concerning aerial application.

"Regulation of the industry makes everybody better," Sawyer said.

When asked about the comparison of fixed-wing aircraft with helicopters in aerial application, Sawyer will readily admit he's prejudiced for helicopters, but he'll also tell you that both types

(Continued on Page 38)

Above, views from outside and inside a 3-foot high run over the practice field. Below, Wymer and Sawyer pose with some of their Ag Rotors equipment.

Roy Lynn, Jr. Of Schoolcraft, Michigan Sets World Corn Record

Roy Lynn, Jr., and his father, Roy Lynn, Sr.

When Roy Lynn, Jr. began combining a 10-acre field of DEKALB XL-54 on September 30, he and four witnesses waited with anticipation...They knew the yield would push 300 bushels per acre.

Lynn drove 700 feet and his 6-row combine bin was full. The Schoolcraft, Michigan farmer was setting a new world's record corn yield...352.64 bushels per acre from 1.09 measured acres!

The witnesses, pictured from top to bottom in the photo at the right, give their account of the high yield.

Leon Phelps, local Federal Land Bank chairman, says, "A good, young farmer worked it...A great job of studying and incorporating corn production practices."

Steve Middlemas, Monsanto, states, "Roy's previous experience and positive approach this season made us feel sure of a super yield."

Duane Dean of Dean's Farm Fertilizer, adds, "Roy...overcame all the elements and hit the top yield."

Witnesses and Roy Lynn, Jr.

FMC Salesman Mark Barbera says, "Roy had an excellent program. We knew it had to be a whale of a yield."

352.64 Bushels Per Acre With DEKALB XL-54

"It takes hard work and good management."

Hours of planning went into the yield. And, when Lynn dropped his plow in the ground last spring, he had a goal in mind...To make 300 bushels per acre.

Lynn marked off ten acres of prime land within a 170-acre field. He describes what took place. "In the spring, we plowed down 120 pounds of 10-34-0 and 600 pounds of 3-10-32 per acre. We harrowed and I dropped XL-54 at 36,700 seeds per acre on April 26. Another 350 pounds per acre of 28 percent nitrogen were added before emergence. Then, we irrigated 11 times with an inch and one-quarter per application. Nine hundred pounds of 28 percent nitrogen were applied per acre through the irrigation system on the first, third, fifth and seventh water applications. Zinc and manganese were added on the fourth watering."

Lynn applied a total of 380 pounds of nitrogen, 100.8 pounds of P_2O_5 and 192 pounds of K_2O per acre. The field received 18.25 inches of rain. Lynn adds, "I'm sure this 170-acre, irrigated field made 240 bushels per acre. And, the special 10 acres all made about 350 bushels per acre. I didn't walk the field to select the best acre... There were only about two acres left when we harvested the measured acre."

Needless to say, yields like 352.64 bushels per acre don't happen every day. Roy Lynn, Jr. proved one thing...With precise management and a top-yielding hybrid, a 300 bushel-per-acre yield is possible. He sums up, "Not any corn will make this kind of yield. XL-54 will consistently put on an ear at high populations, it starts fast and it's an efficient user of water and plant food."

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When you're looking for a denim that's tough enough to really take it, take it from Joe Alexander — seven-time PRCA bareback bronc-riding champion (workin' on eight). He'll tell you that "burnin' leather" on his Cora, Wyoming ranch is the true test of any pair of denims.

So he wears the brand that won't wear out. Dee Cee "Super Hydes." Made with the strength of Celanese Fortrel Polyester added to cotton.

Course, Joe appreciates the way we made Dee Cee "Super Hydes" to feel, fade and soften like natural fibers. With shrink resistance and fewer wrinkles.

Dee Cee brand "Super Hydes." The "tougher 'n denim" denims. If they're tough enough for "Alexander the Great," they're tough enough for anybody.

You might want to saddle up a pair for yourself.

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IT'S FORTREL
That's all you need to know.

Fortrel® is a trademark of Fiber Industries, Inc. Fortrel is a polyester fiber.

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DEE CEE® AUTHENTIC WESTERN WEAR

You can Say Something About AGRICULTURE To 20 Million People

and earn $500

FFA MEMBERS are being asked by the Hesston Corporation for suggestions to be used in a "Salute to Agriculture." The best entry submitted will be developed into a television message that will be presented as part of the telecast of the National Finals Rodeo sponsored by Hesston and their farm equipment dealers next December.

A total of $2,500 will be awarded with $500 going to the first place winner. There will be four second place winners, each receiving $250 and ten third place winners of $100 each.

Any FFA member can send in an entry by following the rules printed below. The deadline for entries is September 30, 1978.

To submit your entry, simply tell in 100 words or less, the message that you would like to tell the American public about the importance of agriculture to the economy and standard of living in North America.

The winning entry will be developed into a public service television commercial which will initially be aired during the telecast of the final performance of the National Finals Rodeo in Oklahoma City over a special Hesston network of approximately 175 stations in a 30 to 35 state area and Canada.

The national president of the FFA will also be interviewed during the telecast to tell the FFA 50th Anniversary story.

Printed copies of the message, suitable for framing, will be distributed through Hesston dealers throughout North America.

In 1977 the National Cattlemen's Association was asked to submit suggestions and the winning entry came from E. T. Evans of Boise, Idaho.

OFFICIAL RULES

1. All members of the FFA who are in good standing are eligible to participate.

2. Entrants are to submit in writing in 100 words or less the message they would like to tell the American public about the importance of agriculture to the economy and standard of living in North America as a "Salute to Agriculture."

3. Entry forms and rules are available from the Hesston Corporation and any of the local Hesston Farm Equipment dealers throughout North America. The formal entry form does not have to be used, but the entry must conform to these rules with the date submitted, name, address and phone number of the entrant and the FFA chapter legibly written.

4. Entries will be judged entirely upon their content, which should be original in nature. Quotations from other writers, speakers, etc. or of copyrighted material is permissible but the source must be clearly identified.

5. In case of similar or duplicate message, the one with the earlier postmark will be declared the winner. All entries become the property of Hesston Corporation.

6. All entries will be submitted directly to: Hesston Corporation, Hesston, Kansas 67062, Att: Salute to Agriculture.

7. Entries will be judged by a panel of agri-industry executives selected by Hesston Corporation and its advertising agency. Judges' decisions are final and not subject to appeal.

8. Entries must be postmarked no later than September 30, 1978, to be eligible.

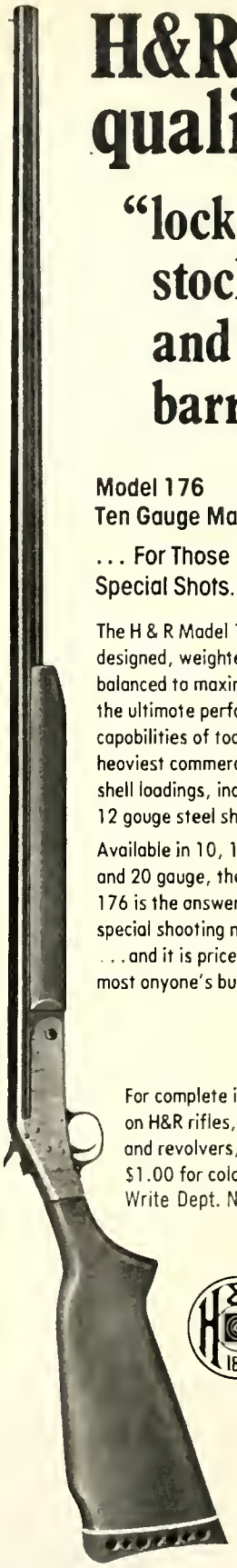
9. A television message developed around the winning entry will be shown on the network of Hesston television stations during the telecast of the National Finals Rodeo in December, 1978. The name of the winner will be clearly identified. Hesston Corporation and participating Hesston Farm Equipment dealers will also distribute printed copies of this message and it will be submitted to other media for their use in giving a "Salute to Agriculture."

10. Prizes in the form of a check will be awarded on the following basis:

FIRST PRIZE—One (1) Winner $500
SECOND PRIZE—Four (4) Winners $250 each
THIRD PRIZE—Ten (10) Winners $100 each

Total of $2,500 in prize money will be awarded.

11. Prize winners will be announced at the FFA Golden Anniversary Convention in Kansas City in November. A list of winners will be made available to all entrants upon request.



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H&R quality: "lock, stock and barrel."

Model 176
Ten Gauge Magnums.
. . . For Those Special Shots.

The H & R Madel 176 is designed, weighted and balanced to maximize the ultimate performance capabilities of todoy's heoviest commercial shell loadings, including 12 gouge steel shot.

Available in 10, 12, 16 and 20 gauge, the Model 176 is the answer to special shooting needs . . . and it is priced to fit most anyone's budget.

For complete information on H&R rifles, shotguns and revolvers, send $1.00 for color catalog. Write Dept. NFF 8/78

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From the Mailbag

(Continued from Page 8)

administration of the homes for a display of new farming equipment at the institutional grounds for the residents to see.

Shirley Murray, R.N.
Director of Nursing

This magazine is being sent to you as a gift subscription from the Sandusky FFA Chapter at Sandusky High School. We are sending them a copy of your letter as they would want to know that you appreciate receiving the magazine. We will also share your suggestion with other chapters.—Ed.

Topeka, Kansas

Thanks for the one copy of my story on farm paintings. I'd like several copies.

There is one error in proof-reading. "The Horse Fair" was done in 1853, not 1953. You may want to use a short item in your letters column.

Gordon West

Montpelier, Vermont

Steve Bouchard is our newly elected State FFA Reporter. You will note from the stationery he used in preparing this release that he came to Vermont from the Oakcrest FFA Chapter in New Jersey.

The Vermont Association would like to know if there has ever been an officer holding a State Farmer degree in one state and state office in another state.

Thomas W. Watts
State Consultant

Spooner, Wisconsin

Would you please send me information on obtaining a bulk mailing of FFA magazines for new students next fall. This would be the October-November issue.

Howard Cameron, Advisor

It is a simple matter to order magazines for your new students next fall. All you need to do is let us know how many of the October-November issue you want. The price for five or more is 25 cents each, two to four, 30 cents each and one copy is 50 cents. Send payment with order.—Ed.

New Concord, Ohio

I read with great interest your story in the April-May issue, "The Traction Engine Miracle" by Andrew Borders. When I had finished the article I disappointedly realized the man missed one area of tractor manufacturing.

Please forward to him this article about Allis-Chalmers.

J. Ross

El Paso, Texas

On behalf of all the chapter, the Ysleta Young Farmers and our Alumni, we would like to express a big thanks for using our chapter's article.

Roy Davis, President

Nicollet, Minnesota

I belong to the New Ulm FFA Chapter in Minnesota. I am a senior this year. My dad owns a 280-acre farm about 13 miles out of town.

I would like to know if through the magazine I could find a job on a ranch out West. We have 65 head of beef cows so I know a lot about them.

Thank you very much for any help you can give me.

Scott P. Anderson

The FFA does not have an organized program for placing members in jobs.—Ed.

Elston, Iowa

I am a sophomore at East Union School in Afton, Iowa. You introduce many students in your magazine. Why not set up an FFA pen pal club? That way we can meet other members and can learn about their lives on the farm.

Eileen Matlage

Madison, Connecticut

Have just read the April-May issue of the Future Farmer magazine. I want to congratulate you on its interesting and variety of articles. I liked particularly the "A Word With The Editor" about the old bee tree. I may use some of that information, if you don't mind, a little later in one of my columns.

S. Archie Holdridge
Farm Editor,
The Hartford Courant

You can't trust a machine to make a great knife.
OLD TIMER
SCHRADE USA 858
Lumberjack 8580T Actual Size
People make great knives. Machines can't. Each Schrade Old Timer is made with over 100 hand operations. And each hand operation is carefully inspected. For a great knife you can trust.
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. . . that's the only way to describe these great looking styles from Panhandle Slim in everything from stripes and solids to intricate paisley pongee, these perfect shirts are made with Dacron* polyester to resist shrinking and wrinkles. Available in copper, blue or wine, they are great looking western shirts from Panhandle Slim for every body.

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Photo courtesy American Bankers Association

Earl Fort of Ulysses, Kansas, airs some thoughts during the Memphis Outlook.

Farm Credit Update

Stress on improving farm management

INFLATION, coupled with declining farm income, has affected farmers to the extent that only top notch farm operators will be able to increase their equity in the months ahead.

This is the unanimous opinion of agricultural bankers from mid-America who earlier in the summer participated in an Agricultural Credit Outlook Seminar for news media, sponsored in Memphis by the Agricultural Bankers Division of the American Bankers Association (ABA).

The 120-horse power tractor purchased for $12-$14,000 in 1973 now costs $24-$28,000. Farm land values have increased from $800-$1,000 an acre in 1973 to $1,800-$2,500 today, with cash rent going from $40-$75 an acre to $105 an acre now.

The end result is that farmers and farm related businesses are borrowing more money to produce the same acres of crops with the not-too-bright prospect of receiving substantial increases in their per bushel, per bale, per pound sale of farm commodities," stated panel moderator Marlin D. Jackson, chairman and president of Security Bank, Paragould, Arkansas.

"Agriculture has an appetite for credit," observed John H. Hembree, senior vice president of Union Planters Bank, Memphis, "however, the farmer can't borrow himself out of debt."

"I fear that some people may get themselves extended to where the decline in the price of agricultural products, a recession of any sort, bad crops for two or three years in a row . . . could cause them to be in extreme financial difficulty," he said.

A. Earl Fort, senior vice president of the Grant County State Bank, Ulysses, Kansas, noted that the effects of unprofitable aspects of farming were felt in the Kansas area a year before formal strike activity began by the American Agricultural Movement. And, he said, declining farm income hurts most other related businesses.

"The cash flow of implement dealers, grocery stores, clothing stores, freight carriers, advertising collections and many other businesses have felt the dramatic effects of weakened repayment capacities of the producer," Fort observed. "It simply costs more to produce food than a farmer has been receiving. This anguish is the reason the voice of agriculture was sounded in market and political circles."

"The real problems that brought about the farm strike and the negative cash flow position were the results of supply and demand," said Jackson.

"Either through legislative programs or self-constraint, the American farmer must limit his production to that amount that will be absorbed by our domestic and foreign markets at prices that permit a reasonable profit," Jackson said. "The balance of production over domestic and foreign usage is the real challenge to farmers, the Congress and the Administration."

The National FUTURE FARMER gave later calls to Fort and Jackson and asked about predictions into the mid 1980's.

"I don't think there's anyone that knows," Fort laughed at the question on impulse, then reflected. "Unfortunately, I'm concerned that credit will be more expensive, he said. "Demands for money in general will increase and funds will become more expensive. There could be extremely serious problems for family farms." Fort still seemed optimistic about availability of money, though finance costs might raise. "I would have to guess that all of the sources for money—government, agency, commercial, private—will be called upon to loan more of it.

A phone interview with Marlin Jackson of Arkansas brought a similar response. "I see increased competition from all sectors of the economy for investable dollars" he said, giving a 1985 time frame. "Farmers are going to have to become better managers and better business people to meet that challenge."

When asked what vocational agriculture/FFA could do to help young people meet the challenge in farming, the former agriculture teacher and state officer answered with management once again. "They are going to have to learn all about total farm management," he said. "That includes all possible financial aspects—marketing, hedging, forward contracts, delayed delivery and the necessity of a good solid set of farm record books." Jackson particularly emphasized accounting. "You're going to see more and more farmers, out of necessity, sitting down with their CPA's (certified public accountant) and bankers for monthly and quarterly meetings. They're going to be attempting to determine their credit needs more than a year in advance."

Other Points

Other subjects and reactions discussed by the panel at the Agricultural Credit Outlook Seminar include:

Farmers Home Administration (FmHA)—FmHA has been a "tremendous help," though a lot of its effectiveness has to do with the worth of local FmHA officers.

Correspondent Banking Relationships—Moving money from the money center banks to rural/agricultural communities is a critical need. They said the finance needs of third world countries should be balanced against the need to make money available to American farm borrowers.

Foreign Investors—More foreign investors have come from Western Europe than from oil producing countries, but foreign investment in the United States does not present any problem. Most farmland sold is bought by nearby farm operators, who are paying "outlandish prices." Who is to say who can buy and sell and to whom?

Interest and inflation—Bankers predict that the average interest rate for farm production loans will soon top 9 percent. The rate of inflation will go to 7½ to 10 percent, higher than predicted by the Administration, they said.

The Young Farmer—Inflation has almost frozen out young farmers, who are more highly leveraged than older farmers. Regardless of his source of financial assistance, the young farmer has to be a super efficient producer and an even more efficient money manager. One poor decision can result in an economic setback that could put him out of business.

Banker-Farmer Relationships—Every possible avenue is being used to assist farmers caught in the "low income situation." Bankers are spending a lot more time with their farm customers, figuring budgets, cash flows and projections, as well as restructuring and extending terms of loans to help them stay in business. It is common for agricultural bankers to inspect the customer's farm operation personally. Both banker and farmer are benefiting from this relationship.

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If serving an active duty commitment after college is stopping you from enrolling in Army ROTC, we have an option for those who want to stay home.

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LEARN WHAT IT TAKES TO LEAD.

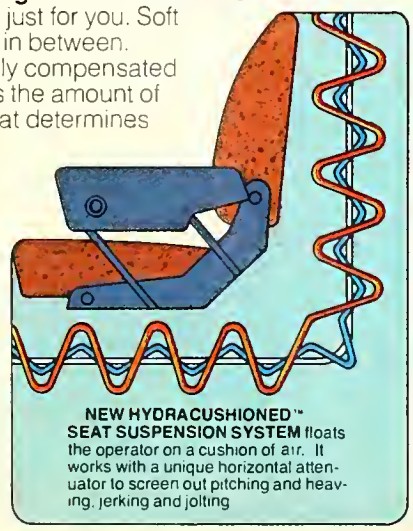
Comfort you can measure in acres per day—not just enjoy

Calculate it yourself. How many more acres per day could you finish if you didn't have to slow down because of rough ground conditions? That's the real productivity advantage offered by new HydraCushioned™ seat suspension system.

It automatically smooths out big bumps, dips, jerks, and jolts. The suspension system takes the pounding, not you. And that's really important in an operation such as cross-disking, shown at far right, where you had to shift down a gear. The tractor could stand the punishment at normal speed, but you couldn't. With HydraCushioned seat suspension, you can shift back up and measure your comfort in more acres per day. It's a John Deere exclusive, and it's standard equipment on the new 4840 and optional on all other Sound-Gard® body-equipped NEW IRON HORSE tractors. In all of agriculture there's nothing quite like it.

Even in easier going it's a bonus. That's because you can tailor the ride just for you. Soft or firm or somewhere in between. Weight is automatically compensated for, so all you adjust is the amount of suspension travel. That determines the ride quality.

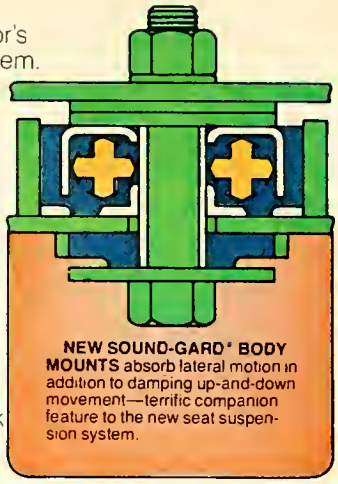
The seat is hydraulically suspended. Up-and-down jolts are absorbed by an accumulator that uses gas for a spring. An accompanying servo-valve activates a small hydraulic cylinder to maintain seat position, regardless of operator weight. Power comes from the tractor's closed-center hydraulic system.



NEW HYDRACUSHIONED™ SEAT SUSPENSION SYSTEM floats the operator on a cushion of air. It works with a unique horizontal attenuator to screen out pitching and heaving, jerking and jolting

Height is adjusted hydraulically. Moving a lever runs you up or down to the position that's exactly right for you. Until reset, the seat will always return to this position. Height adjustment is completely separate from fore-and-aft adjustment, so you can position yourself wherever you want in relation to controls.

A spring-loaded attenuator (horizontal shock absorber) controls back-and-forth movement. This unique feature alleviates the pitching and heaving associated with a rough ride, because you and the seat are isolated from the tractor's fore-and-aft movement. The attenuator, not your knees, absorbs the shocks.



NEW SOUND-GARD® BODY MOUNTS absorb lateral motion in addition to damping up-and-down movement—terrific companion feature to the new seat suspension system.

The drawing below left details the improved ride. Notice that abrupt movements (the big jolts and jerks) are smoothed out and greatly lessened by the combination of vertical hydraulic suspension and horizontal spring isolation. It's a dramatic improvement that you have to experience in the field to really appreciate.

All these benefits are in addition to Personal-Posture™ seat. Already called "the ultimate" in tractor seats, Personal-Posture seat is standard in Sound-Gard body tractors. Only the suspension system is optional (standard on 4840).

New 90-hp* 4040 New 110-hp* 4240 New 130-hp* 4440 New 155-hp* 4640 New 180-hp* 4840

New Sound-Gard body mounts provide a further improvement in ride control. As illustrated in the drawing (above) their cup-type design provides control of lateral body motion as well as up-and-down movement.

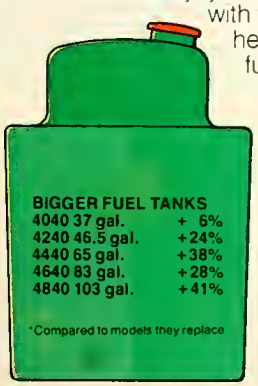
And a longer wheelbase on almost all the new models provides a more stable ride. All the tractors also weigh more, which also can contribute to improved ride.

Quiet? You can't find a quieter line of tractors in the field. Just look at these new dB(A) readings taken from official tests. If you thought John Deere Tractors were already quiet, you're in for a pleasant surprise. Model by model, every new Sound-Gard® body-equipped John Deere is noticably quieter. Hard to imagine? Well, there are the numbers in black and white. But you really need to

DRAMATICALLY QUIETER RIGHT DOWN THE LINE

New	dB(A)**	Former	dB(A)
4040	79.5	4030	82.0
4240	79.5	4230	83.0
4440	78.0	4430	82.5
4640	77.5	4630	82.5
4840	80.0	—	

test-drive a NEW IRON HORSE to appreciate the difference. John Deere engineers have built upon our sound-control reputation with many further noise-reducing steps. Take the control panel, for example. A lead septum/fiberglass blanket has been installed in front of the firewall, and 2-inch-thick foam covers the rear side. And lead septum now lines the inside of the control panel itself. Elsewhere you'll find more padded upholstery used—all interior posts are now covered. And on the underbody, you'll see a new sewn-type covering with fewer seams. The padded headliner is now 1 inch thick. The fuel shutoff cable is now shielded to shut off sound as well. And new automotive-type door seals do a superior job of sealing out both dust and noise. Better noise control may or may not add acres per day, but it certainly makes work more comfortable.



Bigger fuel tanks are a sure-fire productivity booster (see chart), simply because fewer stops per day equals more work done per day. And that sure can add to convenience. Especially when the fuel tank is mounted up front and uses a large filler pipe.

Standard lighting is tremendously improved, both front and rear. Two hi-lo 40-watt sealed beams and two 60-watt floodlamps light the way ahead. Rear work lights consist of two 60-watt fender-mounted floodlamps and two 35-watt roof-mounted spotlights. Even when compared with previously optional lights, that's 33 percent more wattage to the front and 170 percent more wattage to the rear. It's the best way yet to stretch the sunset. And when you're forced to work nights, you know how valuable that can be.

More productivity from more comfort—it's like the icing on the cake. It may even come as a surprise after you've sunk your teeth into increased productivity from our increased power and increased productivity from our increased strength.

It's all wrapped up by a new warranty that's as impressive as the tractors. See your dealer for details on THE NEW IRON HORSES, the tractors with more horses and more iron.

*Maximum PTO horsepower measured at 2200 engine rpm per State of Nebraska Test Nos. 1263 1264 1265 1266 1267
**Measured at the operator's ear at rated speed and maximum available drawbar power per Nebraska Tests cited above

THE NEW IRON HORSES™

MORE HORSES MORE IRON

JOHN DEERE

BEING YOUR OWN MAN

Horses, rodeos, flowers and all A's go together to make Jim Thorp unique

By K. Elliott Nowels

SUCCESS. At the age of 19, Jim Thorp has had a lot of it. Valedictorian of his class, football Most Valuable Player, FFA chapter president and also the 1977 National Horse Proficiency award winner.

"I have never met a boy of his age who is anymore capable with any task that you might assign him," Jim's advisor, Charles Perdue, wrote in his proficiency application. Indeed, succeeding in horse business is different from simply feeding cattle, pigs or sheep and putting them on a truck to send to market. It takes diverse capabilities. Granted, it takes a lot of skill in nutrition and selection of breeding animals for good meat livestock, but in horses you have the added dimension of training, for a variety of uses.

"The thing you have to realize about the horse industry is that a lot of times, it's a little longer-term investment than cattle or hogs," Thorp said, explaining that it might take three to four years to turn over a profit on an animal, compared to a single season for a pig or steer.

"A horse will probably appreciate usually until he's about ten, then after that he'll start to depreciate a little," Jim explains. "The first five years they'll make drastic increases in their value—if they're a good type individual."

And, of course, if they're handled correctly with a firm but patient hand. Among all his interests, this is perhaps where Jim finds his biggest challenge. He speaks at length of different personalities in horses and how reading them properly can make huge differences in training time and effort.

"Take that little roan horse I showed you, for example," he said. "He's like an ornery kid. He'll try to pull your leg every chance he gets, so you sometimes have to be a little bit ornerier than he is, kind of bluff him," he related. He went on to tell how his mare was different yet than that, requiring different handling. "You don't approach every horse the same way," he said. "You've got to change your training techniques a little bit to accommodate those different personalities."

Jim says shoeing horses has sharpened his ability to get beneath that outer horse shell quickly to read a horse's particular actions and possible reactions to his working closely around them. "I have to make a decision when I shoe whether I should correct the horse or be kind to him. Many horses you shoe are really scared and they act like they're mad, tryin' to keep you at a distance. It's a real fine line trying to decide whether they are really mean and mad or if they are scared." Is this quick evaluating where his biggest asset or strength lies?

"Up to a point," he hedges. "To judge a horse real quick—I haven't quite got that ability down yet, I can always tell whether they are scared or mad, but picking out definite personality traits takes a little more time."

For many in the horse business, rodeo is actually viewed upon as a means to an end. A means by which breeders and trainers can get their names in front of their potential buyers and prove their horses' worthiness in the arena. Turnover is a big factor in the buying and selling of roping horses like the ones that Jim can provide. Rodeo hands seem to be almost always looking for that horse that is out of the gate just a little quicker, follows just a little better and stops a bit harder and faster than the horse they now ride. This market makes Jim's ability in breaking and training valuable.

"The money really isn't in rodeo . . . it's in the horses."

Because of the "exposure factor" and also simply because he enjoys it, Jim belongs to several rodeo associations including the United Rodeo Association (URA), Iowa Rodeo Cowboys Association (IRCA) and the National Intercollegiate Rodeo Association (NIRA), the latter of which enables him to enter several rodeos each weekend and still remain fairly close to Oskaloosa, saving a bit on gas and lots on work time.

"The money really isn't in rodeo," Jim confided, "except maybe for the real big names like Ferguson or Cooper. It's in the horses. People begin to know who you are . . . begin to know your horses." Jim has been able to get some placings in the calf roping event at some rodeos he's hauled to now, and every bit helps. "If I could consistently finish up around second or third, well, that would be building a name for myself."

Last autumn, after an active high school career that saw him finish first scholastically in his class of over 200, Jim decided to spread the name a little farther and chose to attend college at Northeastern Oklahoma A&M where he's majoring in agricultural economics and accounting. He loaded up two horses and took them with him to the school located in Miami, Oklahoma, which also happens to be the current home of rodeo's Ferguson brothers, known for their roping and wrestling.

He finished his first year this past May and still hasn't received anything but A's for his classwork. In addition, he was named the Top Scholastic Freshman in his class and was elected president of their 40-member rodeo club. He shoed some horses and hauled some rodeos while there.

Jim wants to stick with the horses a while although he may go back toward more halter training and little less rodeo. Currently he plans to get a real good education first. After achieving the basics at A&M he plans to transfer to Oklahoma State to finish off the degree, then possibly enter law school because agriculture is "such a big and complicated business, anymore." In any case, his friends seem to think he'll be a success because of some pretty special traits.

"He makes such an indepth study of anything he does," says Susan Grant, a friend of the family who boards some purebred Arabians at the Thorp place. "He has the ability to analyze and break things down to improve himself where he really thinks he needs it." Susan, who is in social work at Oskaloosa, says that this trait is very apparent when he's practicing his roping or helping another would-be cowboy practice his. "He's just really good," she shrugs, "Even at just separating all his actions into steps and being able to pick out the ones that need work."

While visiting the Thorp place (and being nowhere near a "veteran" with horses) I found I could attest to the same. When he explained calf-roping to me, he did it in an easy-to-understand manner with a confidence in himself and his ability to relate to others. By the

Rodeo is his means to an end—Thorp at home practicing for a quick tie.

Photo by Author

time I was waiting for the gate to open, lariat in hand, he had convinced me not of the ease of the sport, because it's not easy, but instead that it was manageable —that I had a chance of being successful at it, though it was my first attempt.

Jim will be at least based at home again for the summer, shoeing horses almost every morning and doing field work when it dries off in the afternoon. He'll judge his average of four or five horse shows by the time autumn, and school, roll around again. The weekends until then are likely to be filled with rodeos and the weeknights full of practicing for them. A friend's lighted corral helps squeeze all the activities into his full days. Of course wedged in there somewhere but surely not forgotten will be the job of keeping the weeds out of his flower and vegetable garden.

"Oh, you saw my columbine!" he answers to a friend while on the way to town for a quick late lunch. "What did you think?" With the grin he grinned, his pride with the flowers was obvious. Confronted with a statement concerning the possibility that there aren't many rodeo cowboys who would let it be known that they really enjoyed working with flowers, the well-built roper from Oskaloosa smiles again.

"I guess not, but I like to raise a few," he says. Jim doesn't sell them, however. "I give them away. I give them to my friends when they come out."

There's a sign on the back porch of the Thorp home that has a significant story behind it that father Vern relates. It seems that back in elementary school Jim had a tendency to follow everyone else and not make decisions on his own. So he and his dad sat down to talk that situation over and according to Vern, that's when Jim decided to carve a sign with a message he's been guided by ever since, flowers and all. It's short and to the point. It says "Be Your Own Man."

Photos by Author

A person of many talents, Sam is very active in the FFA.

By Gary Bye

SAM IS A LADY

"I don't think being involved with farming and agriculture means you have to give up your femininity."

"NO MORE extra curricular activities!"

The order came down from Laurel Turner's mother. Donna Turner had had enough of hauling her cheerleading daughters to every single football, basketball, baseball game and wrestling meet. She thought her family needed to be together at night on their farm 12 miles from Deer Park, Washington.

Laurel, better known to her friends and family as Sam, knew what her mother said was law. Yet she was about to enter high school and she wanted to join FFA. "I told Mom it just meant a few field trips during the year," Laurel says now, her attractive face sparkling with delight over the ruse.

Mrs. Turner didn't like to think of her girls as tomboys. She was hesitant at first. "Now I think it's the best class and organization in the school. Laurel never would have accomplished all the things she did without FFA."

What Laurel accomplished was an impressive list of FFA, civic and feminine achievement. She was, for example, selected as one of the top ten finalists in the Miss Drill Team USA competition. Her success surprised her family since she was the first entrant the state of Washington had ever sent. Of the 125 girls who competed at the national contest, only ten were chosen to perform in final competition. The final performance was held in the Los Angeles Sports Arena before 10,000 interested spectators and a large television audience.

For the Deer Park FFA Chapter she served as president, became a State Farmer, was secretary of the state winning parliamentary procedure team, was a district public speaking winner, was a member of the Washington State meats judging team to the National FFA Convention in Kansas City which placed third in the nation. She also had shown the grand champion steer at the local fair.

Because of her personality and appearance through high school, her peers had picked her as their homecoming queen and fair queen. In a high school of over 600 students she served both as student body parliamentarian and secretary. She served the community as Miss Deer Park and was chosen by the teachers as winner of the high school's citizenship award. Through those busy four years of high school she maintained a grade point average of over 3.6 out of a possible 4.0.

Laurel, now 18, agrees with her mother. "FFA really gave me the confidence to get up in front of people to speak and perform," she says. "I used to be really shy and turn red if a teacher even called on me in class. Then I got into FFA."

(Continued on Page 26)

Shell Saddle Sweepstakes

WIN One of 25 Deluxe saddles. Your choice of 4 styles. Up to $675 value.

Tell us in 25 words or less what Shell Horse Wormer means to your horse. In turn you'll have a chance to win one of 25 Deluxe saddles made especially for Shell by Potts-Longhorn. Winners will have their choice of:

1. English Saddle with headstall and reins.
2. Roper Saddle with headstall, reins and breast strap.
3. Ladies' Saddle with headstall, reins and breast strap. (Pictured)
4. Cutter Saddle with headstall, reins and breast strap.

Hurry, all entries must be postmarked by September 15, 1978.

OFFICIAL RULES — NO PURCHASE NECESSARY

1. On the official entry blank or a plain piece of paper, write in 25 words or less what Shell Horse Wormer means to your horse.
2. Hand-print your name, address and zip code on your entry and include with it the front panel from one pack of Shell Horse Wormer, or the words "Shell Horse Wormer" hand-printed on a plain piece of paper.
3. Enter as often as you wish, but each entry must be mailed separately to Shell Saddle Sweepstakes, P.O. Box 3871, Houston, TX 77001. Entries must be postmarked by September 15, 1978, and received by September 22, 1978.
4. Winners will be selected in random drawings from sweepstakes entries by Shell Animal Health personnel, whose decisions are final. Odds of winning will be determined by the number of sweepstakes entries received. Winners may be asked to execute an affidavit of release and eligibility. All prizes will be awarded. Only one prize per family. Liability for taxes is the sole responsibility of the individual winners.
5. Contest open to all U.S. residents, regardless of age, except employees and their families of Shell Chemical Company, Animal Health and its advertising agencies. This offer is subject to all federal, state and local laws. Void in Missouri and wherever prohibited, restricted or taxed.
6. For list of winners, send stamped, self-addressed envelope to Shell Saddle Sweepstakes Winners, P.O. Box 3871, Houston, TX 77001.

What Shell Horse Wormer means to my horse. (25 words or less)

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Hand-print your name, address and zip code on your entry, and include with it the front panel from one pack of Shell Horse Wormer or the words "Shell Horse Wormer" hand-printed on a plain piece of paper.

All entries must be postmarked by September 15, 1978

Shell Saddle Sweepstakes
P.O. Box 3871
Houston, TX 77001

Name_____

Street_____

City_____

State_____ Zip_____

Sam is a Lady

(Continued from Page 24)

She began as a freshman by participating in a creed recitation contest. She made it to the district level. The following years she entered the FFA speech competition and this year made it to the substate level of competition.

Laurel's speaking experience was evident in the drill team contest, which bases one-third of its points on the short speech each girl must give. She won the speaking competition with a poem she had written. The poem's ending summed up her buoyant outlook on life:

"The chance drill team can give you, this statement sums up in broad our talents are God's gift to us, what we make of them is our gift to God."

What Laurel has made of her life is remarkable, yet full of contradictions. At times she is a complete contrast of femininity and tomboyishness. She milks her cow twice daily, helps haul hay and brand for her neighbors, builds fence, stacks brush, rides motorcycles and has helped her father with the construction of their new home, twice winning the district FFA home improvement award.

Horses have been a major part of Sam's summer recreation during her school years.

Sam was one of the ten finalists in the Miss Drill Team USA competition.

However, when the work is done she enjoys "dressing up and looking pretty." She writes poetry and has taken piano lessons for two years. Before the new home could house a piano she would steal off at night to practice in the old shed where the piano was stored. The lessons were illuminated by the shop's trouble light and the musical numbers complicated by the winter gloves Laurel relied on to keep her fingers nimble.

"I don't think being involved with farming and agriculture means you have to give up your femininity," says Laurel who claims she is not a full fledged women's libber. "Girls belong in agriculture just as much as boys. Women have always been in agriculture, ever since the pioneer days. Today it is good to see they aren't deprived of all the opportunities the FFA has to offer."

The home her father is building is still unfinished and Laurel says it is their family's belief in paying as you go that has slowed up progress. "When the family moved to this farm seven years ago it was just a big junkyard out here," she says gesturing to the partially constructed home situated on the edge of a beautiful grassy meadow surrounded by forest.

Laurel thinks the 160 acres is the ideal homesite and she spends hours peeling poles and building fence. She has also joined other family members (sister Tina and brother Bill) in raising walls, pouring concrete, panelling, painting and plastering. The forest outside her door is a practical place to try out the limbing and thinning taught by her father Jim, a forester with the state department of natural resources.

The farm also provides the right atmosphere for riding her horse. Horse shows, gymkhanas and rodeos have been a major part of her summer recreation during her school years.

Participation in drill team was tacked on to Laurel's list of activities during her sophomore year. Her mother had relented somewhat on extra-curricular activities once her daughters could chauffeur themselves to and from town, and she had given in to the fact that they truly benefited from many of them.

The drill team is a community favorite, along with the FFA chapter, competing almost equally for the amount of local and national recognition they receive. According to Laurel, the team has traveled extensively throughout the country and participated as Washington state's representative in the 1976 Bicentennial Parade in Philadelphia. "It has given me the chance to make friends with people all over the United States," she says.

Trying to explain the busy schedule she lives, Laurel says "Being part of these activities is a way for you to learn more about yourself. You find out what your talents are and what you can do with yourself."

Her involvements are leading her to a natural next step—college. She has set as her goal to become an agricultural teacher. She wants to combine it a specialization in art and dancing. "That way I can use the background I already have to help other people," she says.

"Life is a challenge. It is also a great gift. I think we each have a special mission to take up all the opportunities we have and make the most of ourselves. At the same time we should help others make the most of themselves too."

If you've got the heart, the head and the diploma...

If you've got what it takes to be a high school graduate, chances are you've got what it takes to be a Marine. It's never been easy, but it is this simple: Make it with us and we'll teach you a skill that could pay off for life, get you in great shape and let you in on over two hundred years of pride. If that's enough for you, do something about it. Mail the card or call 800-423-2600, toll free. In California, 800-252-0241.

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The Few.
The Proud.
The Marines.

This Classroom Goes to Sea

Learning the ways of the water is the goal

Keeping an eye on the LORAN, an electronic guidance instrument, a student guides the vessel out into the sea.

WHAT does this white buoy up here mean?" Bernard Johnson yelled over the steady drone of the big engines. "No, you won't find it on the map, but you should know what a white buoy means anyplace."

"It's a mooring," soon came an unsure answer.

"Right. It's a legal anchorage, you can tie up to it." Bernard made sure everyone understood, then went on. "Now I want you to plot the course from . . . "

The classroom? A 38-foot fishing boat several miles off the coast of Maine. The instructor? An accomplished veteran of some 40 years of fishing. The goal? Learning how to make a living out on the water or in a related occupation.

It's all part of a high school vocational class being conducted off Orrs Island, just south of Brunswick, Maine, an area termed by some as having the highest concentration of profitable offshore fishing boats in New England.

Boatbuilding, map reading, navigation, net mending—all are important parts of the classes. With expensive boats and nets alone worth thousands, fishing is an industry where the do-it-yourselfer can have a distinct advantage. Three instructors and a comfortable shop and classroom supplement Bernard's on-the-boat efforts.

"We try to teach them skills that will help them do many tasks themselves," said Ken Gray, vocational director of Maine Region 10. He explained a fisherman can cut down greatly on his input costs simply by mending his own nets or building his own lobster pots. Students in the course get some exposure to all these skills, exposure that is sometimes hard to come by on your own.

"A big benefit of the course is that students coming out of it and going on a boat as a crew member will be going on at a different rate," he said. "They'll be taking a percentage of the catch as opposed to a simple hourly rate that is usually given someone that is their age. That's the definition of someone who is 'worth his salt.' "

Bernard Johnson gives his charges another "plot-the-course" assignment.

Bernard, the fisherman Ken recruited three years ago to help the students get hands-on experience, is a resource person who is definitely "worth his salt" says Ken. "There's many a veteran fisherman up and down this coast that would like to spend an hour or two picking his brain," he assured.

Fifty-year-old Bernard apparently is as much as home with the ways of the "land people" as he is on the ocean. He presently serves on the Governor's Council for Marine Resources, was a member of the national committee exploring the pros and cons of the much-publicized 200-mile limit and has helped author a book on the vocational skills needed in marine-related work that has seemingly become a standard text for courses like the one at Orrs Island.

"There's a hundred and one things they can do that are related to the water," Bernard explained. "Lobsterin', tourism, buying and selling boats, fish processin' . . . and knowing what goes on out on the water will help them know pretty much what they're talkin' about when others speak of the parts of a boat and what goes on in it."

"They've got a six-months jump on the fellas that don't go through this school if they go onto a boat (serve as crew member), whether it be a big dragger or a lobsterer . . ." Those two fishing operations, one using big nets to catch bottom fish and the other using a string of pots to catch the valuable lobster, are most common in the area.

This year 6 out of 11 that graduated from the class were placed months before receiving their diplomas. Chances are that yet several more will find their way into related occupations. One that has already settled on his career is Edward Wilson and using himself as an example, he explained what the course was all about.

"I don't want to go to college, and well, what they teach you in high school is good and everything," he said, "but a lot of it is to get you into college, it doesn't really help you out if you wanted to be a fisherman." Edward, whose father fished for a time before going to work at a processing plant, said that he's learning many skills he couldn't have learned elsewhere.

"We learn all about the water," he said. "I wouldn't have learned how to read LORAN (an electronic navigation device) or about what all the buoys mean if I hadn't been in this class." Edward answers quickly when you ask what he'd like to do in the future.

"I wanta' fish," he smiles. "I'd like to go lobsterin' a while, then maybe do some draggin' . . ."

If you're not getting this kind of accuracy from CCI Mini Mags, you'd better check your gun.

If a sharpshooter such as yourself isn't getting accuracy like this from your 22, there can only be two explanations.

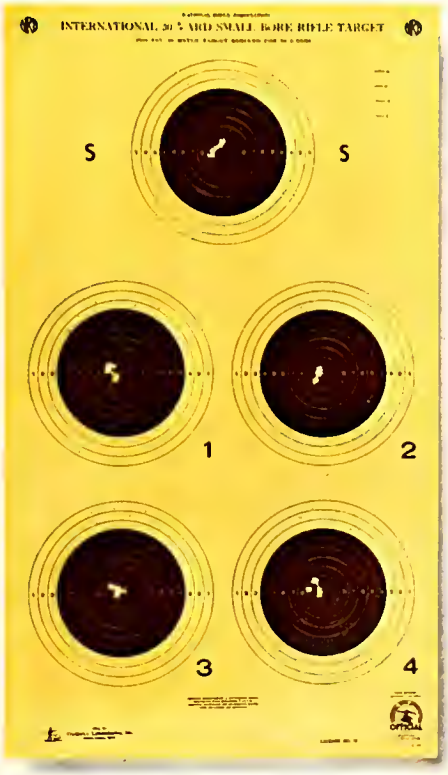
Either it's because that fool gun of yours needs looking at. Or it's because you're not using CCI Mini Mags.

You see, the good ol' boys are pretty darn fussy about Mini Mags. They won't let a round out of their factory until it's ready to go into your gun and live up to the CCI name.

That's why they've got some very hard-nosed inspectors doing their inspecting. To make sure Mini Mags will deliver just the right combination of velocity, accuracy and functional reliability. Shot after shot after shot.

And that means every Mini Mag you squeeze off arrives at your target with all the accuracy your gun can muster. And all the killing power.

With Mini Mags and a well-tuned gun, don't be surprised if your five-shot groups from 50 yards measure only ¾".



Of course, performance like that is no accident. With the kind of innovative approach that they've become famous for, the good ol' boys have built it into Mini Mags. From one end to the other.

By reinforcing every case head with an extra band of metal, they know that this critical area will always be tougher than it needs to be.

By using a special hard lubricant on every Mini Mag bullet, instead of the soft, gummy kind, they know you won't mess up your hands. Or the inside of your gun.

CCI 22's are the only ones that come with reinforced case heads.

And by offering Mini Mags with both solid and hollow point bullets, they know you really don't have any excuse to be buying the big boys' 22 ammo instead of the good ol' boys.'

So next time you're out seeing what you can do with your 22, take along a handy plastic 100 pak of Mini Mags. Or better yet, a carton of 500. They'll show you what your 22 can do.

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Get the whole shootin' match from the good ol' boys: CCI primers and ammo, Speer bullets and RCBS reloading tools.

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RED POWER SHOWDOWN

We're aimin' to make IH your tractor brand.

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International Harvester took the great Series 86 tractors and made them even better. And now your IH Dealer wants to show off these improvements—at his own Red Power Showdown.

Look over the most complete tractor warranty in the business.

Every part on a new Series 86 tractor is guaranteed* for two full years or 1500 hours of operation, whichever comes first. Only exceptions are tires and radio, which are warranted by their own manufacturers, and normal maintenance items.

No other company has a warranty that can match it. Maybe that's why no one else calls their tractors the "New Reliables."

* this includes all models from 86 to 161 pto horsepower.

Try out the new easy-shift transmission.

Slip an 86 into gear, and right away you'll notice how Red Power's been improved. The new "Park-Lock" transmission is easy enough for anyone working your spread to shift, and the same holds true for the new heavy-duty power shift TA.

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nd you will receive a coupon worth 100.00 towards the purchase of *any* IH gricultural product or service when you buy Series 86 tractor over 100 hp. Offer valid for 0 days after demonstration date. Subject to pplicable state regulations.*

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*Only at participating IH Dealers and only on new 4 two-wheel-drive tractors.

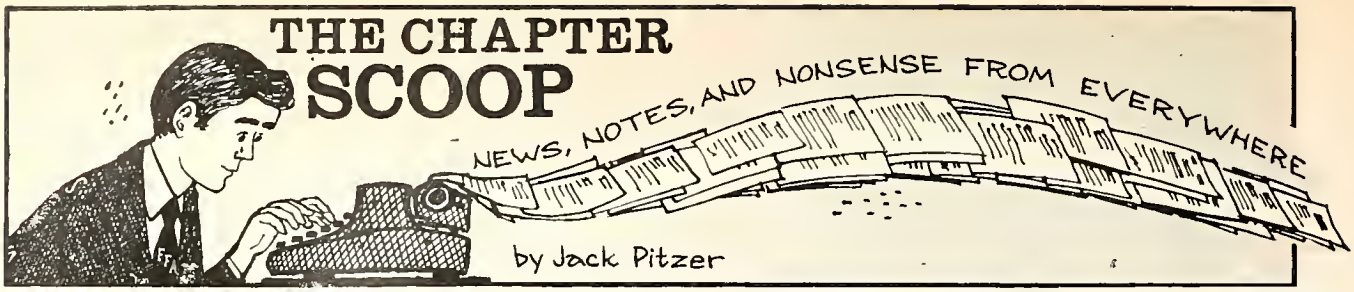
INTERNATIONAL® AGRICULTURAL EQUIPMENT

When you go to your IH Dealer's Demo Day, be sure to sign up for the free tractor drawing. Eight regional winners —one from each geographic area of the U.S.—will be the guests of IH at the Farm Progress Show in Illinois in late September. And the drawing there will determine the order of prize winners.

Grand prize is an IH 1586. Two second prizes of 484 utility tractors. And five prizes of Cadet 81 Lawn and Garden tractors.

RED POWER SHOWDOWN DAYS SWEEPSTAKES RULES

1) On official entry blank print your name, address, zip code and telephone number and enter at your local participating IH Dealer's Red Power Showdown Demo Day. NO PURCHASE NECESSARY.
2) Winners determined in drawings by an independent judging co. whose decisions are final.
3) Prizes non-transferable and non-redeemable for cash, no substitutes offered. Odds of winning determined by the number of entries received. All prizes (total retail value $60,000) will be awarded.
4) All taxes, if any, are responsibility of winners.
5) Must be at least 18 or older to enter. Only one entry per family or address. Employees and families of IH and affiliated cos., its agencies, dealerships, and judging co. not eligible. Void in MO, Howard County, MD, OH, UT, and wherever else prohibited or restricted by law. All federal, state, and local laws and regulations apply. Winners must be U.S. residents.



Reporter **Ron Wineinger** of *Marion-Florence,* KS, wrote about members having trash clean up detail at each farm stop of state Young Farmer Tour.

N-N-N

Wood River, NE, is proud of the Alumni Builders plaque they got at state FFA leadership camp.

N-N-N

Small but strong 25-member *Otis,* CO, FFA puts on a great chapter banquet according to National Vice President **Dee Sokolosky.**

N-N-N

Chapter President **Kevin McBryde** tells about the *Brighton,* TN, Chapter's landscape project at the bank.

N-N-N

Beth Racicot was elected chapter photographer for *Northhampton,* MA.

N-N-N

Advisor Cantrell of *Hartville,* MO, has a record album and one of the songs was written by former chapter President **Greg Robertson.**

N-N-N

Participating chapters in Farm On The Lawn at the National FFA Center were *Legge,* Winchester, VA; *Spotsylvania,* VA; *Nokesville,* VA; *Stafford,* VA; *Turner Ashby,* VA; and *Arlington County,* VA.

N-N-N

Sulfur Springs, TX, Chapter hosted 33 Young Farmers from Tyrol, Austria, who were on tour in the U.S. FFA showed the Austrians some calf roping and bull riding.

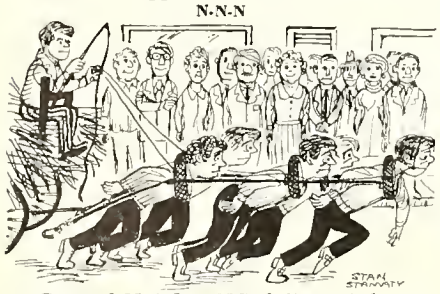
N-N-N

Chapter president of *Sandpoint,* ID, went with the advisor to help with his "freshmen recruitment" visits to elementary schools.

N-N-N

Karl Evans, *Moorefield,* WV, had grand champion eggs in state's Ham, Bacon and Egg Show and sale.

N-N-N



Central Heights, KS, followed the parade theme explicitly. It was "Conserving Our Natural Resources."

N-N-N

Reporter **Mark Laurie** sent word of *Davies Vo-Tech* in Lincoln, RI, second donkey basketball game against faculty.

When Vice President Walter Mondale spoke about Northwestern agriculture at Washington State University, *Colfax,* WA, officers and seniors were there to hear his address.

N-N-N

Rhonda Henslee included a joke for the magazine with her "News, Notes and Nonsense" about *Wells,* NV.

N-N-N

Frequently we get news items from **Steve Schoonderwoerd** at *Sandpoint,* ID, And we've often wondered how they get all that on the front of his FFA jacket.

N-N-N

Here's another name I'd like to see how far it goes across the front of his FFA jacket—**Andy Zugenbuehler.** Andy sent an article about *Manteno,* IL, FFA.

N-N-N

Saw a mud flap on FFA pickup in state convention parking lot that said, "Oklahoma Supports FFA."

N-N-N

Collegiate FFA at Oklahoma State University was really busy helping with state FFA convention activities on campus. They've got their own caps and wind breakers, too!

N-N-N

Dr. John Crunkilton, teacher-educator in agricultural education, spoke at *Stonewall Jackson,* VA, banquet on "How To Be A Failure."

N-N-N

Hort and ag mechanics classes of *Breckinridge County,* KY, FFA are discovering the fun of involvement in a university field day.

N-N-N

A guest at *Rainier,* OR, banquet, **Bob Bullis,** was at the first National FFA Convention in 1928.

N-N-N

Annual "Corn for Camp Courage" drive of *Sauk Rapids,* MN, raised $400.

N-N-N

"We lost to our Alumni 14-87 and they didn't even have any relief players." *Laramie,* WY.

N-N-N

A fire prevention program open to public is sponsored by *Housatonic Valley* Regional in CT. Subjects include fire extinguishers, alarms and insurance.

Elwood Bowers won the *Twin Valley South,* OH, bowling award.

N-N-N

Whiteland, IN, Young Farmers made posters to stimulate support for Ag Day.

N-N-N

Alan Verser is new reporter of *Verden,* OK, and already sending in news.

N-N-N

The *Mead,* NE, Barbershop Quartet has been singing together since 1975 including appearances on the National FFA Convention talent corps in '77. Baritone, **Greg Johnson;** lead, **Brad Nygren;** tenor, **David Nygren;** bass, **Mark Poeschl.**

N-N-N

First banquet for *Bolton,* LA, FFA featured a crayfish boil.

N-N-N

Members of *Fairbury-Cropsey,* IL, FFA in the ag occupations class had a feed for their employers.

N-N-N

A traditional shish-kabob dinner is the bill of fare for *Kerman,* CA, banquet.

N-N-N

Norman Watson was the first *Hagerman,* NM, member ever to receive the American Farmer degree.

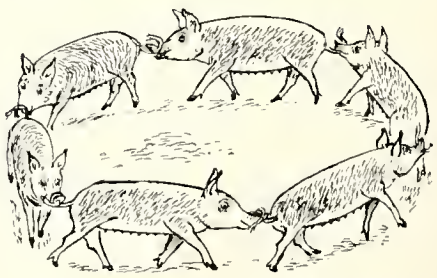
N-N-N

They ate 800 pieces of fried chicken plus lots of ham at *Damascus,* MD, banquet where National Vice President **Rob Hovis** was speaker.

N-N-N

John Cook, *Owasso,* OK, president presented a $100 check from the chapter for the new community center.

N-N-N



They've started a new gilt chain for *Riverdale* FFA in Port Byron, IL.

N-N-N

Every summer *Suring,* WI, makes and sells ice cream bars at fairs.

N-N-N

National Vice President **Peg Armstrong** visited *Golden Valley,* ND, and spent time on a member's ranch.

N-N-N

No time for a summer lull. Keep those letters coming to the Center with chapter news (not just judging contests and fair results). What else has the FFA been doing that was fun?

The World's First Full Line of Show Cattle Grooming Products

Introducing . . . Royal Purple

Preparing your beef animal for the show ring isn't easy. Until now you could use horse products or household goods. There wasn't much else.

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TEXAS CORRALS the COWBOY CROWN

Flashback—1977

By Gary Bye

IT WAS a hot Sunday afternoon in Helena, Montana and the crowd that had packed the stadium at the Lewis and Clark Fairgrounds for the finals of the National High School Rodeo was anticipating the drama of a western showdown.

Dust from the lingering drought swirled up from the pounding hooves of over 100 horses as they galloped into the arena for the grand entry. Behind the chutes, finalists selected from a week of competition were preparing for their events.

There were questions to be settled. Could a trio of Texas cowboys compile enough points in 24 seconds to retain the trophy their team had won the year before at Sulphur, Louisiana? Could Barrie Beach, an attractive athlete-cowgirl from Gilbert, Arizona, set an unprecedented record for high school rodeo by winning four consecutive national titles in the goat tying event. Over seven thousand spectators waited through the rodeo's opening pomp and ceremony for the answers.

In August the riches the young cowkids had staked their claims for were silver buckles, hand tooled leather saddles and the prestige that goes with being the nation's best. The high schoolers, according to the 1976-77 student president Greg Thurston, an FFA member from Yukon, Oklahoma, first had to win a spot in the top four at their state championship in one of the thirteen events. There are six events for girls, six for boys and one, team roping, that is open to both sexes.

The high school championships are held in a different state every year. For those who pay to observe, and this year a record number did, the rodeo is the best in wild west action. Non-stop movement, flag flying patriotism, and cowboy dress are a product of design rather than chance. Each of the seven days which makes up the rodeo has two performances. Sandwiched in the free times are picnics, parades, watermelon feeds, dancing and socializing. With such attractions the student participation has grown each year.

Since the rodeo does attract so many participants, three separate arenas are used. In one instant, a bewildered rodeo fan may have to divide his attention between pole bending, bull riding and cow cutting. Through it all, arena crews actually compete to see which can wrap up their events in the least amount of time. For observers who have yawned their way through professional rodeos, waiting for some nervous cowboy to tighten his cinch, the high school brand of rodeo is a refreshing breakthrough.

Sunday unfolded like rival gunslingers striding down mainstreet at high noon. In the preceding days of the seven-day event Washington State and Texas had traded the lead and Arizona had been in a position to challenge. But the last day's opening found these three grouped in the third, fourth, and fifth spots. Upstarts New Mexico and Oklahoma had quietly slipped into the first two slots. The final performance matched the top contestants in each event, with the order of performance determined by the ranking. Top contestants performed last, giving them the opportunity to see the times and rides they would need to beat.

The Texas team, out to defend the title, was anchored by four FFA members: David Armes from Grover, Texas, last year's third place national bulldogger; Monk Dishman, from Beaumont,

Texas, fifth in the 1976 bareback competition; Jerry Daniels from Farmer Branch, Texas a saddlebronc rider; and calf roper Kirk Dillard from Orange, Texas. All had garnered points in the first go-around to set their credibility.

The bareback riders and calf ropers came first. Texas talent came along with it. Monk Dishman, sitting in fifth place, in the bareback competition, marked a 76 to take the lead while the two leading riders were doing some fancy airborne maneuvers before their introduction to the hard Montana ground. Across the fence Kirk Dillard had thrown the fastest loop and completed his two wraps and a "hooey" (halfhitch) in 10.77 seconds to win the calf roping competition.

Now up were the goat tyers and bulldoggers. In front of the grandstand David Armes threw his steer in a speedy 5.71 seconds. The time stood up for a repeat of his 1976 third place standing. The placing behind Troy Yetter of Wyoming, was a disappointment for Armes, but points for Texas.

Across the way in front of the chutes each of fourteen nervous cowgirls had their chance at wrestling a slippery goat. Then finally it was time for top-ranked Barrie Beach to go for her fourth straight title. Her 15 year old horse, Hoot, in his last run before retirement sped her toward the elusive goal. But as Barrie unloaded, she stumbled slightly, catching her leg in the rope of a retreating goat. Desperately she struggled to her feet and threw the animal to the ground. But in a game of seconds, her difficulties had been fatal. A chance at holding an unmatched NHSRA record had slipped through her fingers along with the stubborn nanny.

Next the saddle bronc riders and break away ropers readied for their attempts. The man to beat in the saddle bronc was Calvin Amy, a high school wrestling champion from Idaho who was among the favorites for winning the all-around cowboy title. Since he had led the 15 finalists, his ride came last. Among those watching with anticipation was Jerry Daniels, leading the event with the high mark of 77 on a twisting, turning bucking horse named Southern Pride.

Amy came out on Cal Expo, one of the top bucking horses in the string. His ride was spectacular. The crowd went wild, thinking Amy had won. But lady luck, not to be outguessed, frowned on the little Idaho cowboy. Amy had failed to spur the horse as he broke out of the gate, meaning he was automatically disqualified. Texas again won points.

The barrel racers and team ropers followed. In both events the leaders held on to their positions for the championship saddle. The barrels were won by Rhonda Shrives from Idaho and the team roping by Joel Maker and Jody Stamper from Oklahoma. In the adjacent corral, the boys and girls cow cutting was reaching its conclusion. Lianne Butterworth of Arizona maintained her first place standing to add points to her team's total while Troy Young of Louisiana moved up one spot to add strength to his teams' position.

The finals reached their conclusion with the bull riding and pole bending. Kathy Fletcher, from Washington, running the poles last, withstood the pressure of defending her 1976 championship and completed the course still nearly a full second ahead of her nearest competition. Over the fence Mark Kenney, an FFA member from Sulphur, Louisiana, marked a 75 on his bull to move up five spots to number one.

The drama had ended. Texas has indeed defended their championship. Oklahoma was second, Arizona third. In the words of a skyhigh Lonestar cowboy, "We knew we could do it." But of course "there's always next year." At Huron, South Dakota, a slightly different cast of characters will pit themselves against the odds of rough stock, sore bodies, stiffer competition, and the ever present lady luck.

Deeanne Barton talks with NHSRA co-chairman Bob Glanzer.

. . . and onto Huron - 1978

Beginning July 31 somewhere near 1,200 participants will gather for the 1978 version of National High School Rodeo Association (NHSRA) finals at the state fairgrounds in Huron, South Dakota, and officials are expecting a big crowd for the annual week-long event.

"We're a little bit more centrally located, I think," said Bob Glanzer, co-chairman for the 1978 NHSRA finals as well as South Dakota State Fair manager. "Fewer people will have to pull their horses and campers through the mountains."

For these and other reasons, attendance for this year's rodeo is projected to be around 75,000 over the 13 performances and seven days of action. This compares with 65,000 in Helena, Montana, last year.

Glanzer says that one thing making Huron an attractive spot for the finals is the camping facilities on the fairgrounds. There are 1,000 electrical hook-ups a short walk from the grandstand with nearby restrooms and showers. "We're really promoting this as a camper-rodeo that will be nice for the whole family," he said.

More participating horses might also find Huron easier to take than some previous NHSRA sites. According to Glanzer there's room for all horses arriving to be stalled under roof on the grounds. This is an improvement over Helena where many mounts were kept outside. Three covered arenas and one outdoors will give plenty of space for warm-ups and practice.

Coordinating all of the ins and outs of the action is a big job and local students interested in the western action are lending a hand. Among them is Deeanne Barton, South Dakota State Horse Proficiency winner and member of the Huron FFA Chapter. She and others will be working in the ring, clearing out stock and keeping things moving. A look at Deeanne's experience in NHSRA competition can give a feeling of just how tough the competition can be. Team roping is the specialty of she and her sister. They competed against about 25 other teams in their regional event and managed to be in among the four teams chosen to compete on the state level. Sadly, a win there wasn't in the cards. But multiply this amount of participation by the 29 states and two Canadian provinces that make up the NHSRA and the awards that will be given to the best of the best on August 6 take on increased importance.

Aircraft

(Continued from Page 10)

have their places in ag aviation.

"They both can be effective," he said, tendering his statement cautiously to include the human factor—the pilot's ability. "Airplanes have the advantage in areas where you have large acreages and good terrain," he granted. "We feel helicopters do a better job all over though, because they fly slower, they can get down on the crop better and the added downwash of the rotor gives better chemical penetration." Airplanes can carry more of a payload, however, decreasing down time.

Boiling it down, you could safely say that aerial application is a very regional management choice and simple cost comparisons are likely to do a dis-service in decision-making. Taking into consideration things like terrain, drift control, spray penetration and speed of application are important.

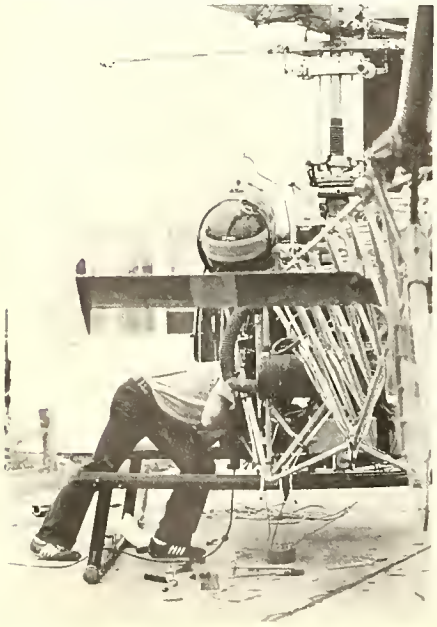
Much of air application's effectiveness too is linked directly to the pilot. Nineteen operators have called Ag Rotors for leads on pilots this year and 17 of them were after ag pilots. But the demand hinges on experience. Ken Wymer, who directs flight operations as well as being chief pilot at Ag Rotors, explained that most of those that call are after pilots with a minimum of 1,000 hours of total helicopter flying time with 500 of that being ag time. "If they can't get someone like that they'll come down a little," he said.

With used helicopters costing about $45,000 to $50,000 and some of the new Hillers (a prominent ag helicopter) running at $80,000 you can see why an ag operator wants those seasoned pilots when much of his costs for insuring the crafts are tied to the skill of his pilots. It puts more pressure on schools like Ag Rotors to provide the training the state of the area is currently demanding. Again though, agricultural flying presents some different demands than just "flying around time." Wymer says that he'd never put even the most experienced pilots straight into ag flying, they must work closely with it on the ground before getting into the cockpit and taking 90 gallons of potentially toxic chemicals up into the air.

"You just can't turn him loose out there," Wymer said. "It's a whole different kind of flying. The big thing is the division of attention. You're actually flying more by second nature and paying the bulk of your attention to your application—what's happening outside the aircraft."

For this reason, Ag Rotors requires potential ag pilots not yet experienced in ag flying to work a year as a ground man, the guy that forms the other half of the work team out in the field.

An Ag Rotors mechanic digs deep to keep the ship in fine running shape.



"There's still something . . . that makes them want to come close to the . . . trees"

There's no lack of work on the ground, either. He drives the massive tank truck to the scene and usually mixes and measures the chemical solution. Often he's responsible for some helicopter maintenance as well as the calibration of the spray equipment and rigging the tanks, booms and all on the ship. From that vantage point he can see some of what the pilot may run into in field work.

"A lot of guys don't learn it all in one year either," says Wymer. "You just run into many different situations you can't train for."

Wymer says there are some pilots in the industry who try to make it a little harder yet than it is already, those with a kind of "daredevil" attitude.

"There's still something in a lot of people that makes them want to come close to the ground or the trees and wires." Wymer retrieved a national accident report newsletter from his bookcase and leafed through some pages to emphasize the hazards. It was filled with brief helicopter horror stories from other times and places. Catching skids in power lines, rolling helicopters and hitting trees were a few. "You don't get bored doing ag work," he assured.

Ken Wymer (left) takes a student on the test for his commercial license.

How much might it cost one to learn to fly the romantic whirlybird? At Ag Rotors the cost is around $1,300 for the first step—a fixed-wing private pilot's license. If you want then to go to helicopters (Ag Rotors highly recommends starting with the fixed wing *then* going to helicopters) costs of course will increase with the more expensive machine. "It generally costs about three times as much to learn helicopters as compared to fixed wing," said Wymer. Flight time for helicopters comes at $100 for every hour of instruction up in the air in courses that require from 50 to 90 hours of flight time.

Sawyer balked somewhat before giving an estimation of what an experienced ag pilot might make. Indeed, the variance in experience, working conditions and payment arrangements for different operations make it difficult to put a price tag on. A ball-park figure might be $12,000 for a pilot who works nine months out of the year and goes in having 300 hours of actual agriculture spraying experience. Sawyer allowed that the absolute top pilots might make anywhere from $15,000 to $25,000 if they follow the seasons around the country and know where the good jobs are. They might work for several different operators each year.

Getting up at 4 a.m. to be spraying by 5 a.m. or so isn't for everybody though, especially on those calm days that permit you to spray until 9 p.m. After that comes clean-up time for the ship and equipment, then maybe a bite to eat. Get up and do it again the next day.

"It's not the white scarf and goggles and all that a lot of people think it is," smiled Sawyer.

Make a date with Ford's Sweet 16

Come in and take a look at the Ford 1600. It's a compact, easy-handling sweetheart. Built like the big ones, around a rigid cast-iron backbone. And with a 23 PTO hp diesel that provides plenty of power to pull a two-bottom plow.

The 1600 is loaded with big-tractor features. A 9-speed transmission. 540 rpm PTO. Category I, 3-point hitch with 1,600-lb lift capacity. Differential lock. All standard.

The Ford 1600 is part of the widest range of farm power in the industry: 9 all-purpose tractors, 23-84 PTO hp; 4 flat-deck models, 70-135 PTO hp; and 4 new 4WD's, 210-335 engine hp.

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Try a Ford on for size!

FORD TRACTORS

Ford
75th ANNIVERSARY

When the Tractor Dipstick Reads "Add"

IF YOUR tractor engine seems to be using a lot of oil, don't automatically suspect a problem. Engines naturally consume some oil under any working condition and more if the going is rough.

So before pulling out your checkbook for major repairs, determine if oil consumption is excessive.

How much oil is "too much?" "Generally, we expect a maximum use of .0025 pounds of oil per hp-hr.," says Bob McCoy, senior staff engineer at Mobil Oil Corporation. "At this rate, a tractor engine rated at 100 hp should use a maximum of 1½ quarts of oil in a ten-hour period, an 80 hp tractor should use a maximum of 1.1 quarts in ten hours."

If actual consumption exceeds this recommended formula guideline, conduct a series of checks that progress from the simple and obvious to the more complex and more costly.

When an engine leaks oil, the problem is usually obvious. Oil, dust and dirt combine to form an oil coating. This grimy condition makes it difficult to locate the exact source of leakage. The best procedure is to clean the engine exterior with a solvent, then watch carefully for leaking oil. There are several primary trouble spots:

Oil filter. Leakage occurs here with incorrect installation of the filter cover when the cartridge is replaced. Always use the new gasket provided with the cartridge and follow operator manual instructions carefully to insure proper installation. Upon engine start-up, check housing for signs of oil leakage.

Oil pan. Occasionally, bolts may loosen from engine vibration thus allowing oil to leak out of the pan. More often, the problem is deterioration of the gasket with age. Manufacturers recommend replacing the gasket when changing engine oil.

Main bearings. Oil may be forced past the rear main bearing onto the clutch facing. This happens when a clogged breather causes enough pressure to develop within the crankcase to force oil past bearings. Oil can also be forced past the front main bearing where it's picked up by the fan blast and blown over the entire engine. Avoid leak-producing pressure build-up by regularly cleaning or changing the breather filter, or PCV if so equipped, especially during dusty, dirty field conditions.

Valve cover. Leakage occurs when the valve cover gasket hardens and cracks either from age or excessive engine heat.

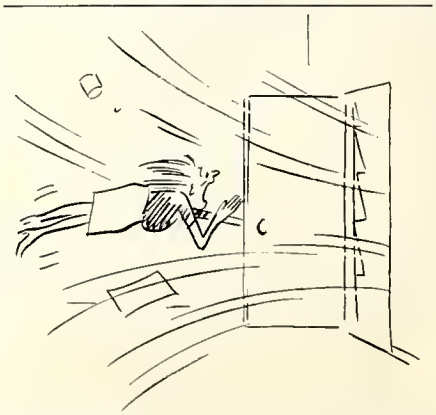
Turbocharger. Carefully examine the turbocharger's exhaust outlet and crossover pipe for evidence of oil leaking past the turbocharger seals.

Radiator coolant. Oil can often be found leaking into radiator coolant. Check coolant level and amounts of oil. A dirty cooling system is also harmful to the engine. Rust, scale, sediment or other formations in the water jacket and radiator, or corrosion of the water distributing tube, will prevent a cooling system from performing efficiently.

Improper carburetor adjustment. If the carburetor produces too lean a mixture, overheating may develop which can lead to ring breakage. On the other hand, too rich a mixture may cause dilution of the oil which leads to wear of bearings, cylinders and rings. In either case, high oil consumption can eventually result.

Once repairs have been made, avoiding future excessive oil consumption conditions gets down to the basic component—the oil itself. Engines can't perform up to par without quality oil protecting close-tolerance parts.

The New Breed.
FROM STETSON
1978 New Breed styles featured above are left to right:
Canyon, Morgan, Durant, Jack Pot and San An.



"I said,. . .'I wish you wouldn't park the helicopter so close to the house.'"

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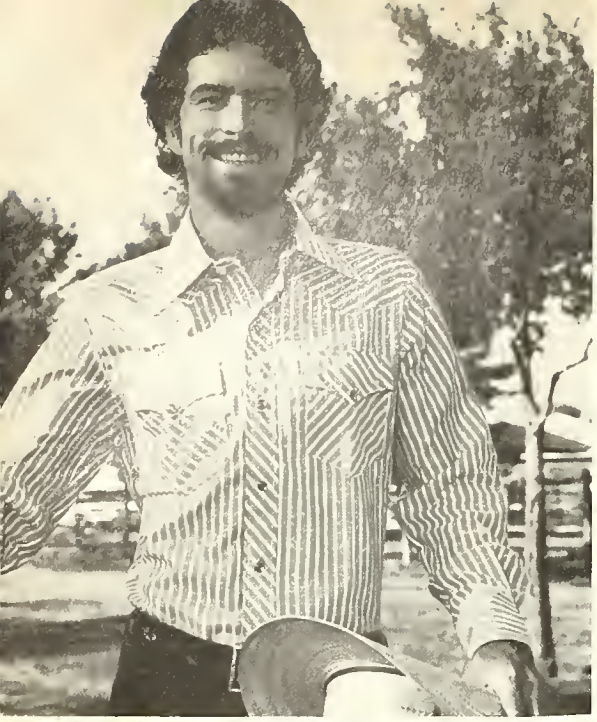
Europe.

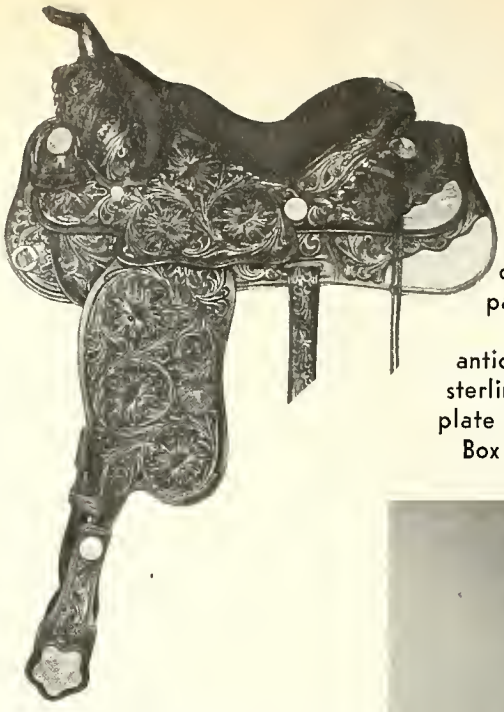
"I'd worked on a farm after high school. And I'd watch people leave my town, travel, and come back different—better, I thought. And I wanted to do that. I enlisted in the Army for Europe. On the plane over, about halfway across, all the GIs got real quiet, thinking what it would be like. They were scared, really. But you can always find something here that's a little like home, whether it's farms, or rock music, or just making friends. In Europe you'll work, and have fun—all you've got to do is do it!"

SP4 William E. Kincade
Schwabach, Germany

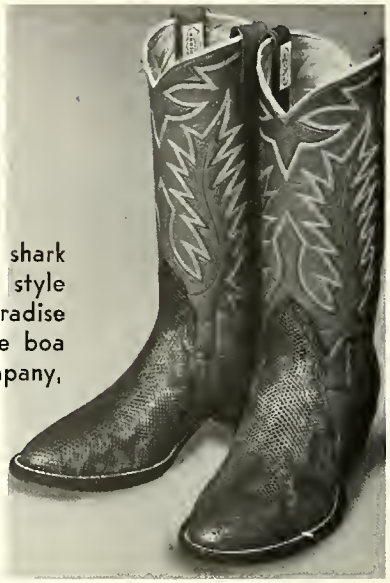
Join the people who've joined the Army.



One of the Mesquite shirts by Niver Western Wear. The shirt is polyester and cotton, permanently pressed—for school or under a coat for dress. This style is available in short sleeves, also. Niver Western Wear, 1221 Hemphill Street, Fort Worth, TX 76104.



The Continental shows off its hand-tooled floral pattern from every angle. A rich two-tone brown antique finish is accented by sterling silver conchas, cantle plate and mountings. Tex Tan, Box 711, Yoakum, TX 77995.



Pliable as ostrich and as tough as shark are the claims made for a new style from Nocona, 7173, made of paradise reptile, similar to the skin of the boa constrictor. Nocona Boot Company, Box 599, Nocona, TX 76255.

SOMETHING NEW

Bailey Hat's PRCA PRO felt hat is made of fine quality fur felt with Canadian and tall crown. In brim widths to 4½". Bailey Hat, 2558 San Fernando Road, Los Angeles, CA 90065.

Panhandle Slim gives this example of their many styles of western blouses from basic to extra-fancy coordinates with any look. Panhandle Slim, Westmoor Manufacturing Company, Department NFF, P.O. Box 2647, Fort Worth, TX 76101.

The Hoppy Hat from Stetson features a 7½" bull rider crown with a 4¾" bond edge. Stetson Hat, Whitaker and Leonard Road, St. Joseph, MO 64502.

Tony Lama now offers popular leather buckles in three sizes. Tony Lama Company, 1137 Tony Lama Street, El Paso, TX 79985.

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In a spacious cab wired for sound, Roger rolls along that broken white line.

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TRUCKIN' 'EM IN IOWA

By K. Elliott Nowels

GEORGIA Crawford used to say that if her son Roger ever got ideas in his head about being a truck driver, she was going to lock him in a room and throw the key away.

Roger Crawford, 21, Iowa's Star Agribusinessman back in 1976 and an already-mentioned possibility for this year's regional award. At the ripe old age of 21, he has already logged over 300,000 miles truckin' livestock. Sorry, Mom.

Georgia laughs with her family about it now, however. She realizes the pull of generations was too much to ignore.

Ask Roger how long he's been in the business. "Twenty-one years," comes the answer without hesitation. "Yep, that's it to be right truthful," his dad Robert agrees. Actually, Robert could give the same "for-all-my-life" kind of answer because his dad, Roger's grandpa, has been truckin' hogs almost forever, too. He and grandma both still drive and Roger's sister Rhonda, 18, recently got her license. In fact, the Crawford's have been hauling hogs to market since about the first time a hog ever saw a truck rolling around Greenfield, Iowa. and will be for a while to come.

Roger has built up his financial standing enough to have taken a 25 percent share of the family trucking corporation and has become the main hauler. None too soon according to his father, who has slowed up considerably since he discovered he had respiratory ailments stemming from his many years in dusty feedlots. He still hauls some cattle and other commodities, but leaves the hogs to Roger. The Crawfords and their four big trucks serve the local livestock producers with from-the-farm hauling to the local Oscar Mayer buying station, then hauling semi-loads from the station to the packer.

"There's more profit on the long haul," assured Roger, exhibiting all the knowledge and confidence of a secure businessman. "You make more money the more time you spend in the truck and the less time unloading and loading you have per run." He sounds sure of himself—like he's been able in the last few years to put the frosting of good management on the cake of mechanics and driving—the more apparent practical aspects of the business. Roger's been at it a long time. Since before the time he could even reach the top of one of his dad's tractor tires, he's been helping. Chasing hogs to and from the trucks, then graduating to changing decks in the trucks and fueling them.

Entering FFA gave him an opportunity to branch out a little, even raising a few hogs himself. He says that gave him a little better insight into what the farmers he hauls for go through. A co-op program took him through some machine shop work and a look at ag mechanics. And there was always more ex-

perience with the trucks.

The locals learned early of Roger's knowledge of trucks and trucking. It showed through even when he worked on his other, less related, jobs. One day his responsibilities working at a local machine shop called for him to ride along with an outbound truckload of parts. Out on the pavement, Roger, 17 at the time, couldn't help but notice the rough ride the driver was getting out of the big White Freightliner and decided to be silent no longer. He told the driver he might smooth it out a lot if he hit every gear on the big ten-speed, instead of bypassing several on the way up to road speed. Although on some makes of tractors it is common practice to skip a shift or two, on that model every gear is a progressive hauling gear—there's no overlapping of the ranges. The older, but still somewhat greener, driver responded with a "Well, I didn't know that," as he followed the suggestion, smoothing out Roger's ride greatly.

With knowledge like that, the test for getting a chauffeur's license, required in most states for tractor-trailer driving, was simply a formality of sorts. He got it on the first try at the earliest possible age of 18. In the three years since then he's logged over 300,000 miles.

Roger's typical day? There's really no such thing, but if you averaged all his days, the product might go like this.

Arriving at the yard about 8:30 a.m., he waits for a farmer to call—he has a load ready. Goes out and brings a load in, hauling 50-some hogs on each deck of a two-deck "straight" (fixed bed on cab, non-trailer) truck, if there's that many. When there's enough in the buying yard for a semi-load, he loads them and takes them to the packers, usually to Perry, Iowa, an hour away. By the time he is back the other truckers have hauled in another load, so it's load up and take off to the packers again. Roger averages between two and three Greenfield to Perry runs per day. After the hogs are all out and the yard is closed, he may run a load of cattle in the evening, or first thing in the morning.

Uneven hours and its own ties to the weather (if the weather's good, more farmers will be working in the fields and not sorting and sending hogs or cattle) make the trucking business interesting and nerve-wracking at the same time. The week before Roger was interviewed in early June, he had put in 3,100 miles in the time between a Tuesday and a Sunday. That's about the distance from Seattle, Washington, to Orlando, Florida. "That's a lot of runnin' in a short time," said the big FFA member, explaining that it's not just one load, but five or six different ones.

Davenport, Des Moines, Omaha and on out into western Nebraska were different destinations he had, with some slightly longer runs than usual. Complete with tape deck and CB, the cab seems quite comfortable. It's that time out of the cab that can be pretty messy. Although most over-the-road truckers don't have to help load or unload, there are some exceptions and, in most cases, livestock is one of them. And, of course, some of the dirtiest, dustiest places on any given farm are where the hogs are and loading them can be a real treat.

Another big consideration and source of consternation can be vehicle weight and its effect on how much you can haul. Roger has recently traded his present brand of truck for another newer, light model in an effort to lighten the rig and increase his payload. He's also using a good lightweight but strong aluminum pot-belly trailer, so named because of its deck extending below tire level in the center.

"That's the name of the game, anymore," said Roger. "If you can't haul the weight legally, they (farmers) don't even want to talk to you." If a producer can get more head shipped per truck, the cheaper he can ship them to market, so he's looking for truckers with light rigs. The economics of weight are a big factor in hauling.

Roger prods some stubborn porkers from the darkness of a "straight" truck.

"Now with this new pot, we're getting up to where we can get this big weight on—you've got to really be weight conscious." Robert Crawford drew out the word "really" with a simultaneous nod of his head.

"You put on 40 head of 1,250-pounders and you've got 50,000 pounds on the truck just like that, with room for four or five more," added his son. Then there's the public relations involved in dealing with the producer. Although the fine for being caught overweight on the highway is the trucker's problem, the farmer is a problem of sorts when he doesn't want to split up his load.

"Look at all that room," he'll say. "I've got some more out back here, why don't you put them on this truck, too?" Roger realizes the importance of "keeping the public happy" and figures a quick compromise in some situations.

The elder Crawford calls Iowa "obsolete" on the subject of gross vehicle weight. "It's 73,280 gross weight here and Nebraska and all these others are running 80,000," Robert said, going on to verbally explore the related issues of asphalt break-up and the importance of considering the effects of freezing and thawing in it, as well as the waste of energy when you have a take an extra truck to haul a few steers or pigs that could have been comfortably added to an existing truckload.

Out in the truck, rolling down the highway, Roger's contentment is quite visible. You can tell he likes his work, with all its unpredictability and annoyances, but satisfaction that comes from getting to see new places and faces across the midwest, still working with animals, riding way up there behind those windows that it takes a stepladder to clean. With CB in hand, Roger lets out a broad smile. Back on the road again.

Flanked by his parents, Roger pauses at home base—a counter in the kitchen.

Can you judge a horse by his wormer?

Ask Sarah Runyan.

The best judge of horse wormers has always been performance, so it's no surprise that Sarah Runyan prefers Shell Horse Wormer.

Sarah is an accredited judge of Appaloosas, POA's and Pintos for the American Horse Show Association. She's worked her way up in a field dominated by men. Part of her success has been her ability to spot "winners."

"It's a shame to let worms rob you of a ribbon."

Sarah can spot a good horse in a second. And she can spot a horse that needs worming the minute it enters the ring. A dull coat. Bloating. A sluggish manner. An undernourished look.

"It's a waste of time and money," says Sarah. "You put a lot of both into showing horses. It's a shame to let worms rob you of a ribbon."

Sarah recommends worming often with Shell Horse Wormer. It's an effective wormer against the most dangerous "killer" bloodworms. It controls roundworms, pinworms and bots, too. And you can even use Shell Horse Wormer on pregnant mares and foals consuming grain.

Judge your horse wormer the same way judges size up horses—on performance and condition. Like Sarah Runyan, you'll choose Shell Horse Wormer.

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FFA IN ACTION

TAKING THE SHOW "ON THE ROAD"

The Douglas, Oregon, Chapter took an agricultural demonstration trailer to elementary schools during National FFA WEEK.

It was a 8-foot by 21-foot self-contained trailer which has been converted to cages and pens for raising poultry and small animals. Members arranged for visits to four elementary schools and one junior high school in their district. The children could handle and ask questions about the following animals; Cornish cross chicks, two kid goats, lambs, Guinea pigs, gerbils, Teddy Bear hamsters, New Zealand rabbits, Polish rabbits, Aracona hen and two Banty chicks.

FFA members telephoned elementary teachers, describing the trailer and their chapter project. If the teacher was interested in cooperating, the members set up time, place and arrangements for electricity.

Purpose of the trailer was to promote vocational agriculture and FFA, teach children about raising animals and the responsibility of caring for pets, develop leadership of FFA'ers, provide work projects for members, promote cooperation among schools.

After the elementary students toured the trailer, teachers filled out an evaluation sheet. The responses received were complimentary, and included requests to return next year. *(Glen Palmer)*

INCHES TO VICTORY

The Pike Central Chapter at Petersburg, Indiana, has conducted a tractor driving contest on the chapter level for the past two years. Interest in the contest was so great that chapter members asked their advisor permission to introduce the contest to the district and volunteered to host the first contest. Several chapters responded and plans were made to conduct the first District X Tractor Driving contest.

Two divisions were set up consisting of freshmen and sophomores in division I and juniors and seniors in division II. Each chapter was allowed two contestants in each division. The top three individual drivers and top chapter team were recognized in each division.

Equipment dealers were willing to help by donating tractors. Chapter members took on the responsibility of organizing and conducting chapter contests.

Rules for the contest sent to the chapters included explanation of the two-four minute time limit and the importance of safety and good conduct. Score was determined by penalty points—the guy with the lowest number won. Points off were for time shortage, safety violations, cones touched or moved, number of pull-ups to improve tractor position, engines killed or gears grated, slipping or riding clutch or brake pedals and finally, measurement in the shed for the number of inches in excess of 2 inches in rear and inches off center from and rear. *(Roger Knight, Advisor)*

ANNIVERSARY ACTION

ANIMAL OF THE MONTH

To celebrate the FFA's 50th Anniversary, the Depere, Wisconsin, FFA Chapter decided to teach young children about farm animals.

They went to Dickinson and Erwin grade schools to talk to the principals about starting an Animal of the Month program. Kindergarten, first and second grade children would be participating in their program.

Each month FFA brings the animals to the school then the teachers and kids talk and study about that animal.

This year they have taken chickens, ducks, rabbits, piglets, goat and kids, cow and a calf, horse and colt.

The children learned a lot from this program and had a lot of fun doing it. They milked the cow, rode the horse, chased and caught the goats and snorted at the pigs.

A local television station even came out to do a story on FFA for the news. *(Kathy Klug)*

THE IMPORTANCE OF LEARNING JUST TO DRIVE A TRACTOR

An interesting public service activity was conducted by the Black River Falls, Wisconsin, Chapter by the safety committee in conjunction with the Jackson County Farm Bureau women.

The chapter demonstrated safety and emergency operation of farm machinery and tractors. Participants were the police, ambulance drivers, firemen and emergency medical team personnel from the county. Eric Simonson, chairman of the safety committee, conducted most of the demonstration with Kevin Johnson, a member of the committee, assisting.

They demonstrated the starting and stopping of both old and new gas, diesel and L-P gas tractors. They had each individual familiarize himself with each tractor. A corn picker which reversed itself and safety devices on other farm machinery were also demonstrated.

Also, during the question and answer session the problem of getting someone out of equipment was raised and Eric pointed out where they could begin the disassembling in order to make it easier to get an individual out.

(More ACTION on Page 50)

Both police and fire officials acknowledged the success of the chapter's demonstration of how to operate, turn off, or take apart various pieces of farm machinery.

FFA IN ACTION

(Pick up the ACTION from Page 49)

The program was beneficial and one of the policemen who did not have a farm background, and even the fire chief, admitted to not knowing how to run a tractor. *(Ron Rogness, Reporter)*

FACTS FOR ACTION

The U.S. Department of Health, Education, and Welfare has announced a major campaign on Drug Abuse Prevention. It's aimed at reducing the problems caused by drugs by preventing drug abuse. Program leaders suggest some of the things young people need as they grow up:

- Love, affection and attention from adults who influence young people
- Consistent and fair discipline
- Open channels for feelings and thoughts.
- Opportunities for successful and exciting experiences at home, in school and community.
- Tolerance for mistakes
- Models of strong and thoughtful adults
- Accurate information about the problems of growing up today.

FFA ON THE BASKETBALL COURT

A big attraction for Indiana FFA'ers was the Future Farmers-Young Farmers of America Night at an Indiana Pacers basketball game just prior to FFA WEEK. Over 1,200 FFA members attended this NBA game as the Indiana Pacers took on the Boston Celtics.

State officers were chosen to present the colors and marched to center court with the American flag and the FFA flag during the national anthem.

As the evening progressed, announcements were made explaining the purposes of the FFA.

Through a bulk rate FFA members and advisors were able to purchase tickets at half price. Many chapters took advantage of this offer.

Then, later in the season, the Indiana Association had another opportunity to participate in a Pacer basketball game, this one in cooperation with the American Dairy Association. State officers assisted with a cow milking contest at center court.

BREAKFAST IN THE PARK

Hobson, Montana, Chapter held a breakfast in the park on Memorial Day. Breakfast was ready by 7:00 a.m. and the first people to be served were the Legionnaires who were preparing to make the rounds of the local cemeteries to perform the usual Memorial Day ceremonies.

It took a few practice rounds for the cooks to get the hang of it but the day was a big success.

Half of the proceeds were given to help pay Eric Williams' expenses to participate in the Work Experience Abroad program to Norway.

A CAPITAL VISIT

James Combs, Eldorado, Nevada, member went to Washington with his Dad, left, president of a swine promotion group in the U.S., for the declaration by Secretary Bergland, center, and Dr. Frank Mulhern, right, that the nation is now officially free of hog cholera.

FFA NEWS MAKES "THE NEWS"

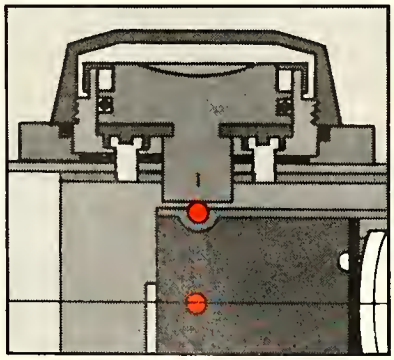
In the fall of 1977, the public relations committee of the Boonville, Missouri, Chapter initiated a new idea in cooperation with the local newspaper.

Each Thursday the *Boonville Daily News* features an ag page. The Boonville FFA Chapter is providing articles for the paper. The column is entitled "News and Notes from the Ag Dept."

This feature has been ideal for announcing upcoming events, reporting FFA activities, adult education classes and featuring individual students and their experience programs.

(More ACTION on Next Page)

Micro-Trac.™ The years-ahead adjustment system is now in all Weaver center-fire scopes.



In 1977, Weaver's brand-new T Models — the first with Micro-Trac — won the NRA National Silhouette Championship. Now all Weaver-Scopes for center-fire rifles have the superior accuracy and repeatability of this revolutionary adjustment system. Plus Weaver's precision optics. Plus steel-tube strength. Plus

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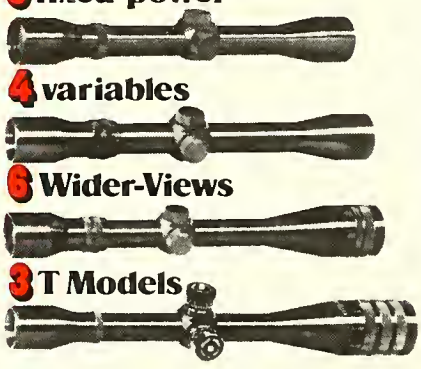

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Quality never goes out of style.

FFA IN ACTION

(Pick up the ACTION where you left off)

WORKING A COMMUNITY STOCK SHOW

The Balko, Oklahoma, Fat Stock Show is the highlight of the chapter's National FFA WEEK.

There is a lot of work that goes into a stock show and all of it is done by FFA members, dads of FFA members, the FFA Mother's Club, plus some extra helping hands in the community.

The 1978 superintendents and committees were: beef superintendents, Troy Morris and Chuck Frantz; swine superintendents, Mike McDonald and Monte Monroe; and sheep superintendents, Rocky Pugh and Mike Pearson.

Other committees were: rules, Mark McDonald, Joey Sager, Terry Ollenberger, Jeff Parker; ribbons and trophies, Chairman Terry Ollenberger, Mark McDonald, Mike Pearson, Rocky Pugh, Corby Eiland; funds, everyone; entry, Chairman Brad Lane, Shane Cowan, Greg Stewart; pens and stalls, Chairman Brad Lane and all freshmen; concessions, Chairman Olen Clubb, Mike Mounts, Neal Heiers, Dale Means; and advertising Chairman Scott Brady, Mitch Cowan, Dale Means and Troy Morris.

They had the responsibility of getting the show going. The leaders and chapter members started working Monday, moving bleachers into the vo-ag building.

Tuesday, hog pens and cleaning up was carried out. Wednesday, sand which was donated by county commissioners, was moved in and spread. Thursday, the arena was set up and donated straw for pens brought in. Friday, at 12 noon exhibits of all three divisions moved in for their try at the grand champion placing of their division. Steers began weighing in at noon. Later Friday night, sheep and barrows were weighed. Many clipped, shaved and washed until 1 or 2 o'clock Saturday morning then at 9:00 a.m. Saturday the showing of wether lambs began with seven wethers participating, followed by the swine division with 50 head fighting to win.

The beef division of 22 head began shortly around noon.

The FFA Mother's Club had a concession stand all day Saturday. All the proceeds earned went to the stock show or to the members. The club furnished all the ribbons.

At 3:00 p.m., the livestock judging contest began with two classes of mixed barrows, one class of steers and one class of wether lambs. *(Troy Morris, Reporter)*

FEELIN' YOUR OATS

Members of the Granton, Wisconsin, FFA have developed a unique project to send two physically handicapped boys to Camp Wawbeek at Wisconsin Dells for a two-week stay. This year they collected over two tons of oats and nearly 100 old batteries which they resold and donated the funds for scholarship for two area youths. Some members who didn't have oats or batteries contributed cash. Donations this year totaled $460 which is a new record for the 65 members of the chapter. *(Jeff Lavey)*

THE NEW FFA GENERAL HONORS PROGRAM

Enjoy the good feeling—the good feeling that comes from honoring a friend—that comes from helping the FFA.

Here's a truly unique gift! A new and exciting way to honor a friend or member of your family. Honor your fellow FFA officers, or members, vo-ag teacher(s), principal, local businessmen, alumni, parents or friends.

When you send an honors contribution to your National FFA Foundation, they send a card to the person being honored with your name(s). The amount of the gift is not indicated. Every contribution is acknowledged with a receipt and is tax deductible.

And parents—what more appropriate gift for a son or daughter in FFA? Birthdays, anniversaries, graduations or any special event is an appropriate time to honor those close to you. Honor a speaker at your FFA event with a contribution in his/her name!

All honors gifts are used to support FFA activities. You may request free "honors envelopes" or send an honors contribution to your National FFA Foundation, P.O. Box 5117, Madison, Wisconsin 53705. Please include the correct address of those being honored, and your address, when making a gift and be sure to let us know if the gift is for a special event (birthday, graduation).

THANK YOUS ON TOUR

The California Association officers recently met with several supporters of the state and National FFA Organizations. Officers spent one week traveling the length of the state on their officers' tour, stopping in Chico, Sacramento, San Francisco, Fresno, Los Angeles, Irvine and Torrence.

One of the main highlights was meeting with three National FFA Foundation sponsors. Visited were Mr. Jim Parker, vice-president of the California Pellet Mill National Headquarters in San Francisco, a bronze sponsor for six years; Mr. Ross McClintock, senior vice-president of Fluor Corporation, a six-year silver sponsor; and The Toyota Motor Company, a five-year bronze supporter of the National FFA Organization.

In addition to the sponsors, the officers met with administrators and agriculture teachers at Chico and Fresno State Universities both of which host judging field days and state contests.

The officers also visited with Mr. D. Ross Sullivan of the Santa Fe Railway who is public relations director for the railway. Mr. Sullivan is also active in helping the state officers conduct the state FFA convention and is a member of the state FFA Foundation.

After all the visiting and thanking was complete the state officers spent an afternoon at Disneyland. *(Mike Simpson, State Reporter)*

ANNIVERSARY ACTION

A NEW CHERRY TREE

They planted a Japanese Cherry tree at the vo-ag building at Cape Fear, North Carolina, FFA Chapter in honor of George Washington and FFA at 50.

ACTION LINES

- Brag on your Mom's apple pie or chicken casserole.
- Write a letter to your grandma or the neighbor's widow.
- Ask Uncle Bill about the good ole days and write it down.
- Work in the garden. Or else someday you'll want to plant one and won't know how.
- Make a quilt out of your "retired" FFA jackets.
- Make a double batch of plain ole popcorn for your next date.
- Try building a bird house.
- Volunteer to clean the grill after a cookout.
- Learn to play the harmonica.
- Invent a use for tumbleweed.
- Make a Christmas ornament out of a bar of soap.
- Visit a dog kennel.

(More ACTION on Page 54)

Join our 50th Anniversary Celebration!

Give the Future Farmers of America just what they deserve - - - YOUR HELP!

Maybe you proudly wore the blue jacket. . .or have a friend or relative who did or does today. You know the FFA. What it has done for literally millions of young people. And, it continues to provide the guidance and inspiration needed to start more than 500,000 boys and girls on careers in agriculture and agribusiness this year.

These farm youths are your people. They need and deserve your support. After all, someone probably helped you when you started. Now you have a unique opportunity to help the FFA develop future generations of farm youth.

How Can You Help?

FFA is **not** a government financed organization. All costs of operation in FFA come from two sources: membership dues and the sale of supplies to chapters and individual members.

But the FFA has a partner in its progress —**The Future Farmers of America Foundation.** Each year hundreds of businesses, organizations and individuals give thousands of dollars to the Foundation to pay for medals, scholarships and awards. These incentive programs are vital. They reward accomplishment. Inspire every FFA member—including those in **your** local chapter —to greater achievement.

And that's where your help is needed. To invest in the FFA Foundation . . . but for a very special cause.

FFA's 50th Anniversary

1978 is a very special year. This is our 50th Anniversary and we invite you to share it with us. Will you give $25 or even $10 to help build a stronger FFA and a stronger Agricultural America for the Future.

Your dollars will not be spent. Every dollar you send in—yes **every dollar** goes into a special 50th Anniversary Endowment Fund of the Foundation. Each year the earnings from the fund will pay for much needed special projects to develop new and contemporary FFA leadership programs right in your own state and community.

Mail your cash, check or money order to: Future Farmers of America Foundation. P.O. Box 5117, Madison, Wisconsin 53705. When we receive your $10 or more . . . we'll mail you a 50th Anniversary bumper sticker to proudly display as a FFA friend and supporter.

I want to help. ☐$ ☐$25 ☐$10 NFF

Yes! I'm glad to support the 50th Anniversary Fund Raising Drive for the Future Farmers of America. NOTE: All contributions are tax deductible.

PRINT NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

☐ Check here for tax-deductible contributions receipt.

MAIL TO: Future Farmers of America Foundation
P.O. Box 5117
Madison, Wisconsin 53705

FFA IN ACTION

(Pick up ACTION from Page 52)

HOST WITH THE MOST

When the members of the Cleburne, Texas, FFA Chapter heard that their state president was coming to visit their chapter, they decided to make his visit something to remember. President Elvin Carraway was scheduled to visit Cleburne on April 3, 1978.

The members discussed the situation and decided they wanted complete member and parent participation in the visit and came up with an idea to have a luncheon.

A menu was drawn up and each member then volunteered to provide a part of the menu. Parents were all eager to help by preparing the food.

The president was to attend during the noon hour. This could have caused a problem, but the school administration was very helpful and allowed all FFA members to get out of class and attend the luncheon. Also in attendance were several invited guests such as the area president and vice-president. FFA chapter presidents and advisors from other county schools were also invited.

The state president topped off the luncheon by giving a few inspirational words on the many opportunities that vocational agriculture and the FFA provide to the 92 in attendance. *(A. D. Wheat, Advisor)*

CAMPING IN FEBRUARY

In February the Indiana Association held its first annual chapter presidents' conference at the 168-acre Indiana FFA Leadership Training Center near Trafalgar.

State officers taught sessions aimed at building the chapter presidents personally as chapter officers and as leaders in their communities. Sessions included parliamentary procedure, etiquette and social graces, personality and attitude as well as team and office responsibilities.

There were sessions on committees, public speaking and working with groups which were led by Mike Jackson, former national FFA secretary. A session on publicity was also given by Mr. Gene Wilson, communications director for the Indiana Farm Bureau, Inc. Scott McKain, also a past national secretary, gave the delegates an inspiring challenge on the last day of the conference.

The conference was open for chapter presidents or chapter leaders selected by the chapters from all across the state. The 70 participants were in official dress for the conference which ended with a simulated chapter banquet demonstration by the state officers. The conference was made possible through a $12 registration fee paid by either the chapter or the member participating. This fee included lodging, meals and snacks. Useful handout materials were donated by the Indiana Farm Bureau Co-op.

Hopefully the weather will cooperate more in the future and they will have even more participation. An 18-inch snow may have had a slight effect on attendance this year.

ANNIVERSARY ACTION

CARNIVAL ATTRACTIONS

The Thomas, Oklahoma, FFA has many activities to involve the community during the anniversary.

As a special recognition and thank you, the members gave each businessperson and teacher a big red apple.

A breakfast, prepared by a few of the mothers, was served to the charter members of the chapter who were still living in the area as part of the Golden FFA Anniversary celebration.

The children's carnival, conducted by the chapter, was well attended and a great success. Not only did they have a good attendance, but the team effort shown by the FFA'ers was superb. All committees were chaired by the chapter officers. The local businesses furnished all the prizes and the mothers baked cakes for the cake walk.

Events were: penny toss, bucking barrel, dart throw, basketball throw, bingo, bean guess, football throw, fishing, cake walk and wrestling matches for youngsters in grades two through eight. All prizes that were not used were then auctioned off.

The FFA at 50 assembly and flag-raising ceremony was the finale of the week. The enlarged reproduction of the anniversary FFA flag, held on stage by members, each holding a 2-foot by 2-foot piece in its proper place, served as the backdrop. Chapter officers each gave a short history of particular happenings during the 50 years of FFA. Brian Jones and David Beck presented the ceremony of "The Ragged Old Flag."

An FFA at 50 flag was then presented to the Thomas School and raised on the flag pole to fly beneath the United States flag. *(Lyndon Taylor, Reporter)*

CHAPTER PROJECTS TURNED INTO JOBS FOR MEMBERS

As part of their BOAC work, Washington Occupational Center Chapter of Fresno, California, was involved in many community service-oriented projects.

One project was the construction of a one-acre park for the use of senior citizens. The park will be part of a community service center. The students graded the area—building mounds and rolling hills, planting the lawn, installing sprinklers and planting shrubs and trees. They also built three brick planters and a patio. The lawn areas were curbed with a 6-inch cement curb.

One other benefit of the activities was new jobs. Nine students involved during the summer are now in seasonal jobs.

Other chapter community service activities include recycling, environmental awareness, helping senior citizens with their yards and flower arranging demonstrations for senior citizens. *(Robert Shawn)*

SEEING FFA IN ACTION IN ANOTHER STATE

This spring a big Greyhound bus departed from the vo-ag shop at Big Walnut, Ohio, High School and headed toward Gettysburg, Pennsylvania, with 32 members, advisor and chaperones aboard. The purpose of the annual FFA spring trip is to develop a respect for our country's heritage and beauty, see different agricultural areas, exchange ideas with other FFA members, get to know one another better and to have fun together.

After the long journey to Gettysburg, the group explored the many historical sites and museums.

From there they visited the Gettysburg Area School and Battleground FFA Chapter who were hosts for the visit. This chapter is about the same size as Big Walnut with 112 members. Big Walnut visited the vocational agriculture department and facilities and talked with some of the Pennsylvania members. At Russell Ridding's, Gettysburg president, they saw his dairy farm operation. The chapter also saw several large apple, peach and cherry orchards and Musselman's apple processing plants.

There were a lot of small farms in mostly pasture or corn and many used strip cropping and contour tillage because of the rolling slopes.

Then they visited Dave Dillon's farm where cabbage and turnips were the main cash crops. Dave said they made $1,200 per acre with the cabbage crop and had a total of 60 acres contracted. All of his cabbage went into Kentucky Fried Chicken restaurants. Before leaving Pennsylvania they gave their hosts several copies of their program of activities and invited them to visit in Ohio some day.

The next day they toured Lancaster County and the Pennsylvania Dutch country to see many Amish farmers working in the fields with the horses.

Later they toured Valley Forge where Washington based his army. Many of the buildings and fortifications were still standing. Their last stop was Hershey Park, home of the famous chocolate.

The entire trip was about 1,500 miles.

"The skills you learn in the Army Guard do a lot of people a lot of good."

Arthur Ashe, Wimbledon Champion

Communications. Paramedicine. Handling heavy equipment. Or whatever. The skill you need to get the job you want, you can learn in the Army National Guard.

And once you've got it, you get to use it in a lot of very important ways.

Maybe it's evacuating flood victims with troop transports. Or using a tank to haul eighteen-wheelers out of snow drifts during a blizzard.

That's the way it is in the Guard. You use what you've got in a lot of unexpected ways. Doing anything you can to help people in trouble. People right in your hometown.

It's the kind of work that'll keep you on your toes. You don't forget the valuable skills you learn in the Guard. You don't get the chance. Because there's always somebody somewhere who needs you.

See your local Army National Guard recruiter. Or call toll-free 800-638-7600 (except in Hawaii, Alaska, Puerto Rico and the Virgin Islands). In Maryland, call 728-3388.

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ARMY NATIONAL GUARD

The Guard belongs.

ANOTHER REASON YOUR CHAPTER SHOULD USE THE OFFICIAL FFA CALENDAR

The NEW Watch Crystal Style

A nifty calendar design, they come 12 months on a sheet. Just peel off the month and stick it over your watch crystal. Each calendar has the letters FFA.

along with the other popular styles for 1979

Home and Office Style

Wallet Style

Desk Style

FFA at 50
YOUR NAME AND MESSAGE GOES HERE
FOR TWELVE MONTHS OF EFFECTIVE PUBLICITY
JANUARY 1979
OFFICIAL 1979 FFA CALENDAR

Poster Style

Here's How To Participate: Use order forms in the new Supply Service catalog or the new Chapter Guide mailed to all chapters. Or send for a free sample kit from the FFA Calendar Department. Get a committee of two or three to work on the project and send in an order as soon as possible. Chapters can buy the calendars themselves to distribute or they can get a business firm to sponsor the calendars.

MAIL ORDER TO: CALENDAR DEPARTMENT, P.O. BOX 15130, ALEXANDRIA, VIRGINIA 22309

National FFA WEEK

By Wilson Carnes, Editor

VERY little has been written about the history of FFA WEEK. Yet this special activity has become one of the major public relations thrust of the FFA organization.

Typically, FFA WEEK is that one time each year when chapters and state associations throughout the nation join together in a week-long celebration to tell the public about vocational agriculture/agribusiness and the FFA. The activity is coordinated by the national organization and many special items are created for this special occasion.

FFA WEEK did not start out as a week-long event. At first it was National FFA Day. The 1933 National FFA Convention proceedings records the beginning of FFA Day in this way: "Stewart of Montana requested the floor at this time to present a matter of general interest. He suggested the idea of having a special Future Farmer Day some time during 1934, preferably on one of the regular national FFA broadcasting days. It was pointed out that the various state associations could perhaps plan special state broadcasts also on that day and that chapters might plan their father and son banquets on the date specified. The idea seemed to meet with general delegate approval and after some discussion it was moved by Stewart that the Board of Trustees arrange for such a day; motion passed."

The book *History of Agricultural Education of Less Than College Grade in the United States* contains a simple sentence by W. A. Ross, then national executive secretary who simply said, "The annual National FFA Day was established in 1934."

Later, *FFA at 25*, published in 1953 and written by John Farrar who was at that time director of public relations and information says, "The FFA's 20th anniversary came in 1948. A change was made from celebrating FFA Day during the national conventions to FFA WEEK during the week of George Washington's birthday.

National FFA WEEK first appeared in the national organization's program of activities in 1948. The 1949 report of organizational activities printed in the National FFA Convention proceedings reports that 83.61 percent of the state associations participated in National FFA WEEK activities that year.

Billboards have proven to be very popular in promoting FFA WEEK nationwide.

The use of a special theme was started in 1958, though themes had been used in the early national radio shows. It is current practice for the Board of Directors and National Officers to choose the theme from several presented by the FFA staff. In recent years the theme has been used all year 'round with the theme announced in July and first used at the National FFA Convention that fall.

Another major change occurred in 1967 when the responsibility of coordinating national FFA WEEK was assigned to *The National FUTURE FARMER* magazine. Since that time Associate Editor Jack Pitzer has had major responsibility for this program. The national FFA organization provides in its budget a sum of money for the development of a number of public relations aids and materials. These are then stocked by the National FFA Supply Service for sale to chapters, state associations and the national organization. In this way, FFA WEEK is a self-supporting public relations activity of the FFA at the national level.

One of the most popular items used to promote FFA WEEK is the highway billboard. In some areas these are erected and remain up for up to a year. Billboards were originally developed and used in Texas by E. C. Weekley, the state FFA executive secretary. They proved to be so popular the suggestion was made that billboards be offered nationally. Texas filled the orders for two or three years on a trial basis, then requested that the national organization assume this responsibility.

In recent years, TV spots, records of radio spots, litterbags, bumper stickers and other items have been added as the needs have been identified.

One exception to the policy of selling the items is the free "Ideas" booklet mailed to each chapter in the fall along with a brochure of the items for sale. This booklet contains sample news articles, radio scripts and spots and other ideas and suggestions to help an FFA chapter plan their FFA WEEK activities.

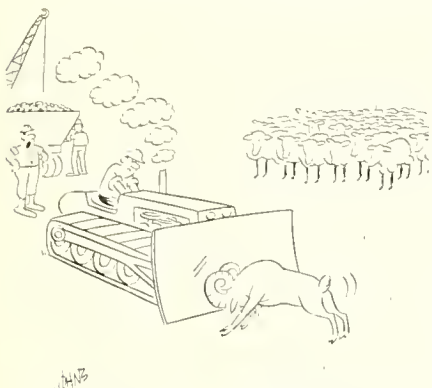
Today nearly every chapter does something extra for this nationwide celebration.

Bob: *"What is a parliamentary cold?"*
Doctor: *"It's when the eyes and nose have it."*

Lori Ann Cabral
Freemont, California

Father: to failing son: *"One thing in your favor—with these grades you couldn't be cheating."*

Lee Bock
Raymondville, Missouri



"For Pete's sake, Burt, back up a little so he won't lose face with the herd."

The boy was given a full grown St. Bernard for his birthday. Looking at his prize with delight and wonder, he asked his daddy, *"Is he mine, or am I his?"*

Joyce Blosser
New Lexington, Ohio

A little grandson was helping his grandfather dig potatoes in the garden. *"Grandpa,"* he asked wearily, *"what made you bury these things, anyway?"*

Harold Benson
Mocksville, North Carolina

Teacher: *"Name a collective noun."*
Pupil: *"Garbage truck."*

Carl Jonsson
Oakville, Washington

Two dumb guys just shot a big buck and were dragging it by the hind legs. They met another hunter who tells them to drag it by the horns because it's easier that way. One said, *"Gee, this works a lot better."* The other one said, *"Yeh, but we're getting further and further away from camp."*

Paul Kanady
Weiser, Idaho

Teenage girl to date: *"Let me put it this way, Theodore, if our romance were on television. I'd switch channels."*

Ruth Moore
Liberty, Kentucky

An elephant was drinking from an African river when he spied a snapping turtle asleep on a log. He ambled over to it and kicked it all the way across the river. *"Why did you do that?"* asked the giraffe.

"Because," replied the elephant, *"I recognized it as the same turtle that took a nip of my trunk 50 years ago."*

"What a memory," said the giraffe.

"Yes," the elephant agreed modestly, *"Turtle recall."*

Harlan Dengel
Hebron, North Dakota

A church that loved good fellowship always served coffee after the sermon. The pastor asked a little boy if he knew why they served the coffee. *"I think,"* said the boy, *"It's to get the people wide awake before they drive home."*

Joyce Blosser
New Lexington, Ohio

An elderly man entered the hospital for treatment. One of the first meals served to him included a bowl of quivering gelatin. He refused to eat it. Pressed for an explanation by the nurse, he replied, *"I'm not going to eat anything that's more nervous than I am."*

Randy Greene
Statesville, North Carolina

Q: You throw away the outside, then cook the inside, then you eat the outside, and throw away the inside. What is it?

A: An ear of corn.

Brenda Klecker
Marshall, Wisconsin

Freshman: *"Well, I went to the football tryouts today."*
Senior: *"Did you make the team?"*
Freshman: *"I think so. The coach took one look at me and said, 'This is the end.'"*

Ronnie Mriscin
Sorento, Illinois

A man driving through a lonely mountain section of Georgia upon arriving at a cluster of five cabins at a crossroads called to a native son standing by the road. *"I'm looking for a town called Poston. Can you direct me to it?"*

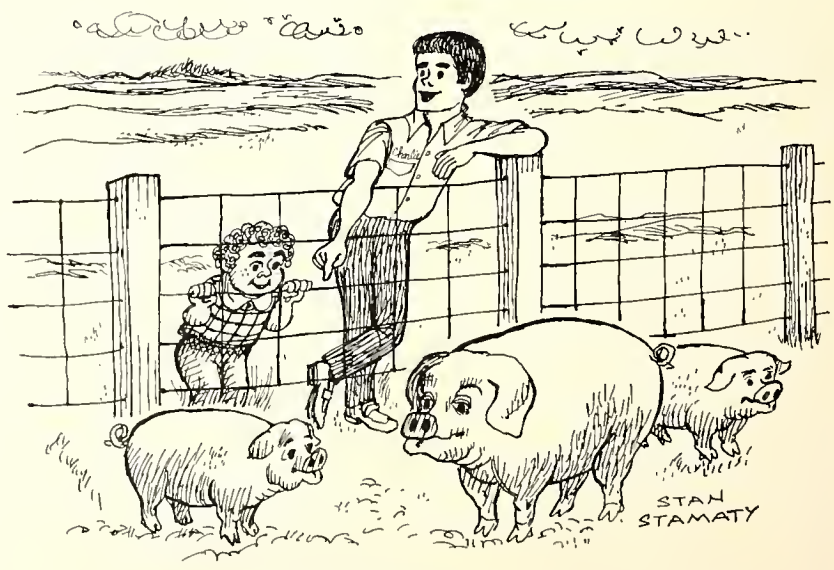
"Stranger," replied the native wearily, *"don't move an inch. You're here."*

Bobbie Mae Cooley
Bowen, Illinois

Date: *"Where can I get hold of your sister?"*
Little brother: *"I don't know. She's ticklish."*

Steven Hamilton
Carlisle, Kentucky

Charlie, the Greenhand



"This piggy goes to market. This little piggy stays home."

The National FUTURE FARMER *will pay $2.00 for each joke selected for publication on this page. Jokes must be submitted on post cards addressed to* The National FUTURE FARMER, *Alexandria, Virginia 22309. In case of duplication, payment will be for the first one received. Contributions cannot be acknowledged or returned.*

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Tony Lama®

FAMOUS NAMES Tony Lama® FAVORITE BRAND

Tony Lama Company, Inc /P.O. Drawer 9518/El Paso, Texas 79985

Recipe: Clean and pat dry entire inside and outside of bird; season outside and cavity with salt, pepper and rosemary; place in large roasting pan; surround with chopped celery, parsnips, turnips, carrots and onion; add chicken stock to pan; cover and roast at 325°F for 2½ hours; before carving, prepare gravy from pan juices; serve with spiced apples.

THERE'S ONLY ONE WAY TO MAKE SPICED APPLE WILD TURKEY.

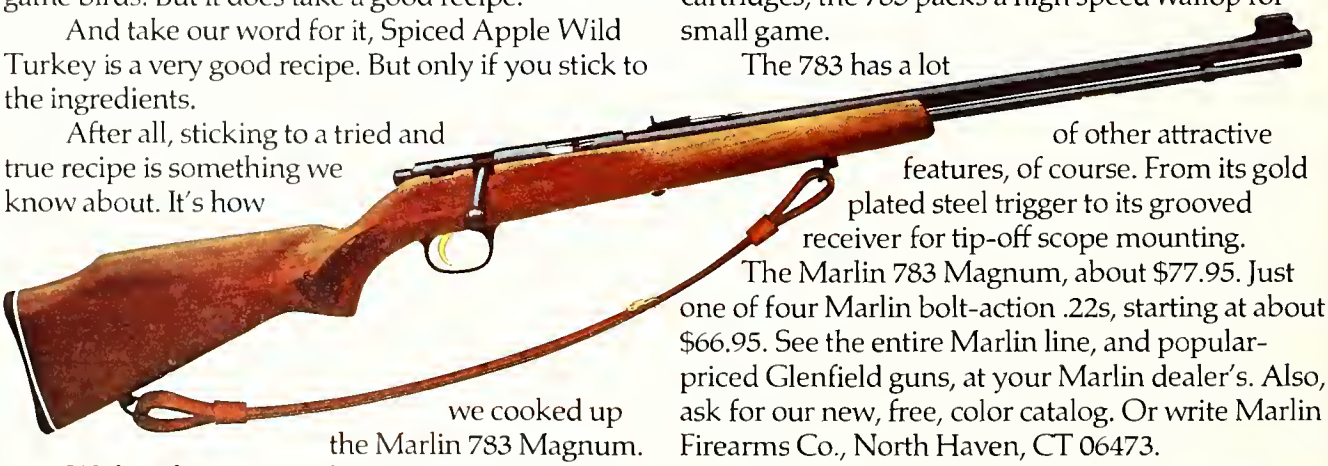
THERE'S ONLY ONE WAY TO MAKE A MARLIN.

If the only turkey you've ever eaten came out of a supermarket, you've been missing something.

Wild turkey can be one of the most delicious game birds. But it does take a good recipe.

And take our word for it, Spiced Apple Wild Turkey is a very good recipe. But only if you stick to the ingredients.

After all, sticking to a tried and true recipe is something we know about. It's how we cooked up the Marlin 783 Magnum.



With its big game styling, genuine American black walnut Monte Carlo stock and handsome leather carrying strap, the 783 is all Marlin.

There's a 12-shot tubular magazine. Serrated, anti-glare receiver top. Adjustable folding semi-buckhorn rear sight. Ramp front sight. And a 22" barrel with Micro-Groove® rifling.

And with its .22 Win. Magnum Rim Fire cartridges, the 783 packs a high speed wallop for small game.

The 783 has a lot of other attractive features, of course. From its gold plated steel trigger to its grooved receiver for tip-off scope mounting.

The Marlin 783 Magnum, about $77.95. Just one of four Marlin bolt-action .22s, starting at about $66.95. See the entire Marlin line, and popular-priced Glenfield guns, at your Marlin dealer's. Also, ask for our new, free, color catalog. Or write Marlin Firearms Co., North Haven, CT 06473.

Incidentally, anyone high school age or younger can win up to $2000 in the Marlin Hunter Safety Essay Contest. Students must be enrolled in, or have completed, a Hunter Safety Course. For entry form, write Marlin Firearms Co., North Haven, CT 06473.

Marlin **Made now as they were then.**